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Col. Powell Directs Minuteman Mobility

Col. Lucien N. Powell, former Com-
mander of the 5th Bomb Wing at Travis
AFB, Calif., has taken command of the
SAC Minuteman Mobility Test Program
at Hill AFB, Utah.

He succeeds Col. Virgil M. Cloyd, jr.,
who will attend the National War Col-
lege near Washington, D. C.

Colonel Powell took charge of the Task
Force as the Mobility Test Train de-
parted Hill on its second deployment.

Train commander is Lt. Col. Carleton
V. Hansen, who handled the same as-
signment on the first deployment 20-27
June.

EM RANKS HURTING:

Navy Can't Fill Officer Billets

THE Navy has begun fiscal year 1961
with a shortage of almost 7000 junior
officers.

Its leaders say that rough seas are
ahead in the manpower field, particu-
larly in critical skill areas.

Pointing up personnel difficulties,
which are mounting in all the Services,
the Navy is unable to obtain adequate
applications for its OCS program.

The reenlistment rate among enlisted
men in such "hard core" areas as elec-
tronics, fire control, and missiles is
sputtering along at 10-15%. This is less
—Continued on page 17

"Fire-In-Anger" Ability Grows For SAC 1st Missile Division

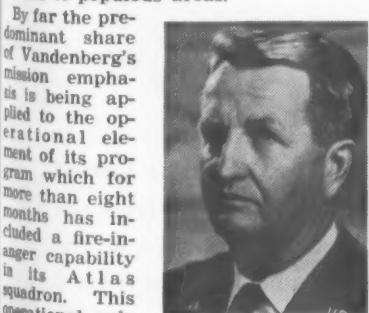
The following "Commander's Report" tells of a striking progress which has been
made in strengthening the Nation's defense posture. It is one of a series of special
reports to JOURNAL readers by Service commanders. For editorial comment turn to
Page 10).

By
MAJ. GEN. DAVID WADE, USAF
Commander, 1st Missile Division

VANDENBERG AIR FORCE BASE, CALIFORNIA

fulfilling its prime responsibility for development of Strategic Air Command's
ballistic missile force, 1st Missile Division at Vandenberg Air Force Base is per-
forming both an operational and a training role and is supporting the development
of the Discoverer, Samos and Midas satellite systems.

Occupying 64,700 acres, the base fronts on an L-shaped coast line that permits
ballistic missile launches to the west and satellite launches to the south without
hazard to populous areas.



M/G Wade

By far the pre-
dominant share
of Vandenberg's
mission empha-
sis is being ap-
plied to the op-
erational ele-
ment of its pro-
gram which for
more than eight
months has in-
cluded a fire-in-
anger capability
in its Atlas
squadron. This
operational role
will be greatly
expanded over the months ahead as addi-
tional Titan and Minuteman ICBM em-
placements are brought into operational
status. Within two years, Vandenberg

ORDERS INDEX

Army orders are published on
Page 5; Navy, Page 7; Air Force,
Page 8; Marine Corps, Page 14;
and Coast Guard, Page 29.

NEGOTIATE FROM STRENGTH, JCS CHAIRMAN URGES

GENERAL Nathan F. Twining has declared that the United States must
be in a position to "negotiate only from strength. We should insure that
we negotiate from superiority—equality is not enough."

He has asserted also that the United States "should not be cajoled by
the Soviets or anyone else into international agreements that are not clearly
in the national interest of ourselves and our Allies."

The text of the JCS Chairman's important statement is published on
Page 16.

\$60 Million Pay Loss Recorded

THOUSANDS of retired military per-
sonnel have suffered a loss of \$60 mil-
lion as a result of the continued failure
of Congress to enact Pay Equalization
legislation.

As was a year ago, in THE JOURNAL issue
of 25 July 1959, that President Eisen-
hower revealed his support for the mea-
sure. The Chief Executive said then he
hoped inequities in Service pay could be
eliminated as of 1 January 1960.

Ever since the Military Pay Act went
into effect on 1 June 1958, Service people
retired before that date have been kept
in a "second class" pay status.

The House has passed legislation to
equalize pay, but there is yet no positive
indication that the Senate will act on the
measure during the August session. Fail-
ure to do so would kill the bill for this
year, and force House action again at
the next session of Congress.

It is estimated that the bill would in-
crease retired pay by about \$30 million
per year. This cost will decline in later
years as a result of deaths.

There is good reason to believe that if
the Pentagon gets behind the President's
proposal effectively, which it has not
done to date, that the Senate could be

—Continued on page 9

ATOMIC CREWMEN ATTRITION HIGH

Navy officials report that for each
33 hand-picked volunteers for service
aboard Polaris submarines, only
four are being assigned to this duty.

They said that in addition to
academic and other disqualifica-
tions, many sailors trained for duty
aboard nuclear submarines are
leaving the Navy for higher-pay-
ing jobs.

Since the Polaris submarines will
require double (Blue and Gold)
crews, the manning problem will
become critical unless the attrition
rate can be cut.

Pentagon Abandons Term Retention Bill

THE Defense Department has with-
drawn support of the Term Retention
Bill for Reservists.

The bill, designed to keep critically
needed personnel in the Service past
their obligated tours of duty, was intro-
duced with the backing of all Services
and the Defense Department.

It still has the strong support of the
Services. They view it as necessary to
retain highly-skilled officers.

The Services say that shortages of
these officers are seriously hurting com-
bat readiness.

The bill provides monetary incentives
and term contracts for Reservists who
stay in the Service after their initial tour
of active duty.

Defense Department officials, appar-
ently not as convinced of the critical sci-
entific and engineering personnel situation
as the Military Departments, now say
that the Term Retention Plan is not
necessary. They have made these nega-
tive views known to key Congressional
leaders.

The decision to abandon the term re-
tention plan was made by Assistant Sec-
retary of Defense (Manpower, Personnel
and Reserve) Charles C. Finucane.

JOURNAL HIGHLIGHTS

Missile Transport Test	P. 2
B-70 Wins Hill Support	P. 3
Academy Resignations Drop	P. 3
Zeus Chief Chosen	P. 4
Olympic Armorer	P. 5
Deep-Diving Sub	P. 6
Ryukyus AF Chief	P. 8
Defense-Industry Accord	P. 10
Marines Choose Generals	P. 11
Journal Memo	P. 12
Navy Arctic Advisor	P. 13
Earth Space Vacancy	P. 17
Army Promotions	P. 4, 19
Service Families Grow	P. 22
AF Reserve Majors	P. 25
Vital Statistics	P. 29
Industry Action	P. 30
Retired Notes	P. 31

L/G Gavin Meets Again With 82d Airborne



LEAPING from the Army's new Bell
HU-1A gas turbine jet helicopter in
Miami's Bayfront Park is Lt. Gen. James
M. Gavin, USA-Ret., famous wartime
commander of the 82d Airborne Division.
The popular general was one of the
guest speakers during the reunion of
the 82d there. Standing by is crew chief
Sp4 James Jarrett. General Gavin now
heads the Arthur D. Little Corporation.

18% IN-ZONE TARGET

Navy Flag Board Gets The Word

(Text of Dispatch, Page 11)

SECRETARY of the Navy William B.
Franke has told a Navy flag selection
board not to overemphasize senior sea
command assign-
ments or joint
staff duty in
naming captains
for rear admiral.

The board,
which went into
session last
week is author-
ized to give cap-
tains in the pro-
motion zone an
18% opportunity
of selection.
Board President
is Admiral Her-
bert G. Hopwood,
CinC of the Pa-
cific Fleet.

"It is recommended that the Board
establish to its satisfaction the qualifica-
tions of each officer for flag rank by
examination of his performance in com-

—Continued on page 11



Adm. Hopwood

—Continued on next page

General Wade, SAC Missile Commander, Tells Gains In Operational Readiness

From first page—

should have 25 of these emplacements ready for use in generating its maximum level of combat readiness. When fully developed, the base's launch complex will represent the most highly diversified and the most powerful single ICBM base in SAC.

Advancing side by side with its preparations to support the emergency war plan are Vandenberg's training programs for the missile crews that will man all of SAC's Atlas, Titan and Minuteman sites. Training of Royal Air Force crews for Thor squadrons of the United Kingdom was completed here this year.

With extensive individual training already completed at contract and Air Training Command schools, the students are brought together at Vandenberg and instructed as team members on specific crews. After completing 12 weeks of academic training and maintenance and countdown exercises in an operational environment, each class of about five crews goes into a vulnerability period prior to the combat training launch that marks their graduation. During that period, one of the crews is picked through a random system of selection to conduct an actual, live launch on a no-notice basis. Never before in a military training situation have the conditions that would apply in actual combat been so closely simulated.

Missile Proving Ground

In addition to its operational and training functions and its role in supporting satellite development, Vandenberg is serving as a ballistic missile proving ground. Everything that we can expect to learn—short of a shooting war—about the accuracy, reliability and reaction time of this new family of weapon systems will be demonstrated by launches from the base's operational emplacements. Results yielded by these exercises provide a realistic basis for timely refinements in operating and training concepts and in the hardware itself.

To fully appreciate the pace and scope of Vandenberg's operation, it is necessary to look at the timetable to which the entire undertaking is geared. Within the 1958-1962 time period, the 1st Missile Division will bring four ballistic missile weapon systems into SAC's operational inventory. A comparable margin of progress in manned bomber operations—from the B-17 through the B-52—required the use of numerous training and operational bases and air proving ground facilities over a period of about 20 years.

As the focal point for transitioning all ICBMs and Air Force satellite sys-

tems from the development phase to operational status, Vandenberg is conducting an intensified orientation program for official visitors who tour the technical facilities at the base at the rate of about 2,000 a month.

Management Task

Almost as challenging as the technical aspect of missile operations at Vandenberg are the unique management requirements they have presented. These problems have arisen from the necessity for combining and coordinating the activities which are carried on at the base

by several Air Force commands, the Navy, the Army Corps of Engineers, and numerous missile contractors and construction contractors.

As the ultimate owner and operator of all ballistic missile facilities under development at the base, the 1st Missile Division closely monitors their progress toward completion. Direct supervision of construction, however, is carried out by the Air Force Ballistic Missile Division of the Air Research and Development Command. On completion of the brick and mortar phase of construction and the installation and check-out of ground sup-

port equipment including the ground guidance, power distribution and propellant loading elements, 1st Missile Division accepts the facility for the Strategic Air Command.

Where ballistic missiles and satellite launches are concerned, 1st Missile Division schedules its operations with the Pacific Missile Range on a low risk basis. This calls for the use of elaborate missile flight safety instrumentation combined with visual tracking, and requires close aerial surveillance to insure that the hazard corridor is cleared of ship-

—Continued on page 30



Within two years
Ford will land
a space vehicle
on the Moon

Missile Transport Test In Progress

Missile age demands on transportation personnel and equipment are being determined by SAC in a three-month test at F. E. Warren AFB, Wyo.

During the period 18 July-15 October, command transportation experts will test all modes and methods of getting men and equipment from SAC bases to remote missile sites.

Operating from Warren, home of the Atlas-equipped 706th Strategic Missile Wing, SACmen will use trucks, cars, helicopters, light aircraft, and whatever else seems suitable, to transport parts, supplies, and personnel to the wing's missile sites which range from 14 to 72 miles in distance from the base.

The primary means for such support is, and will continue to be, vehicles. However, in the event of heavy snow, deep mud, or possibly no roads at all, the command must still be able to meet "fast reaction" requirements and medical emergencies. How effective helicopters and light aircraft can be in such cases will be determined by these tests.

The information gathered at Warren will be immediately applicable to the other bases throughout SAC which are scheduled to become operational sites for Atlas, Titan, or Minuteman missiles.

A 300-pound Lunar Capsule containing scientific instruments will soon make a "rough" landing on the Moon. It will be carried by a larger spacecraft to a location about 25 miles from the Moon's surface, then released. A retro-rocket will cushion its impact. The Lunar Capsule will transmit vital scientific data back to Earth for a month or more. This unique space vehicle will be the product of Ford Motor Company's Aeronutronic Division.

Senate Preparedness Committee Urges B-70 Development "As A Weapon System"; Says "Mixed Force" Will Be Needed, Warns Against Loss Of Valuable Time

FOLLOWING a three-months' study of the B-70 program, the Senate Preparedness Subcommittee has concluded that the supersonic aircraft "should be developed as a weapon system."

In a Subcommittee report, 11 July, Chairman Lyndon B. Johnson (D-Tex) said: "Unless an operational supersonic bomber is developed now there will be no replacement for the B-52 at the time which it enters its period of obsolescence" in the mid-1960's.

In "realization that a mixed force will be required for some time to come," the Committee urged Secretary of Defense Gates to "take such action as is necessary, within his area of responsibility, to provide this country with a manned bomber force embodying the latest 'state of the art' developments and one capable of successfully performing the strategic strike mission."

Senator Johnson recalled that the committee has had the B-70 program under

review for over two years, and that Congress approved a \$346 million budget for the Mach 3 bomber last year.

He noted that the program was "cut back" last December, however, eliminating the military weapons system concept. Since the cutback, he recalled, Congress has approved the fiscal '61 budget and added \$290 million to the Administration request of \$75 million for the B-70.

"In this action," he said, "the Congress of the United States has declared its intention that the B-70 should be developed as a military weapon system."

Senator Johnson added, "experience has demonstrated that stretching out an essential military development program not only increase ultimate total costs but loses valuable time."

The report points out that development of the B-70 could speed the time when commercial and industrial supersonic air travel is a reality and could advance development of nuclear air power. The B-70 also has a potential, the report states, as a recoverable booster to launch heavy-payload rockets into orbit.

The report also notes that SAC has estimated that it would cost the Soviet Union \$40 billion to upgrade its defense to a point where the Soviets could compete with a fleet of B-70's.

GENERAL CONCLUSIONS

The general conclusions of the Subcommittee were stated as follows:

1. The advent of the ICBM does not preclude the necessity for continued development and use of advanced manned weapon systems.

2. Manned weapon systems (such as

the B-70) could strongly complement other strategic weapon systems.

3. There is a need to develop a bomber beyond the capabilities of those presently in being, since a bomber-missile or "mixed forces concept" is essential to our defense posture.

4. There is a continuing requirement for a manned bomber with supersonic and intercontinental characteristics.

5. The Nation possesses the necessary resources to build a B-70-type weapon system.

6. The technology required to build a B-70-type weapon system is at hand and is not dependent upon technological breakthroughs.

7. Successful development of a weapon system such as the (B-70) program could also advance the age of supersonic commercial and industrial transport and represent an essential link in the chain of continuous advances in controlled flight.

8. Because of its size and basic configuration, the B-70 is suited to possible adaptation as a supersonic, nuclear-powered air vehicle.

9. A B-70-type system, because of its planned altitude and speed capabilities, has potential application as a recoverable booster space system to perform recurring heavy payload orbital launches.

10. Unless an operational supersonic bomber is developed now, there will be no replacement for the B-52 at the time at which it enters its period of obsolescence (mid-1960's), and experience has demonstrated that stretching out an essential military development program not only increases ultimate total cost but loses valuable time.



THIS LUNAR CAPSULE, now under development for NASA's Jet Propulsion Laboratory, is one of many space-oriented programs now under way at Aeronutronic Division of Ford Motor Company.

These programs—and many others related to advanced weapon systems and computer systems—are being carried out at Aeronutronic's multi-million dollar Engineering and Research Center, in Newport Beach, California. They emphasize Ford's rapidly growing role in meeting the needs of science and defense in the Space Age.

A booklet describing Aeronutronic's accomplishments and capabilities is available to you on request.

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FLIGHT TEST CHIEF LEAVES EDWARDS

COL. Royal N. Baker, Director of Flight Testing at the Air Force Flight Test Center and a veteran of 399 combat missions in Europe and Korea where he shot down 16½ enemy aircraft, has left Edwards AFB, Calif., to attend the National War College, Ft. McNair, Washington, D. C.

He then went to England with the first fighter group deployed there in WWII and checked out in Spitfires, before participating in the air support for the Dieppe Commando raid in August 1942.

Colonel Baker's decorations include the DSC, Silver Star, DFC with two Oak Leaf Clusters, Air Medal with 39 Oak Leaf Clusters, French Croix de Guerre, and the Military Order of Ulchi (Korea).

He will be accompanied to his new assignment by his wife, the former Frances Hendricks of McKinney, Tex., and their four children.

Service Academy Resignations Drop; Army Reports Biggest Retention Gain

CAREER legislation enacted by Congress over the past several years has brought a marked decrease in the resignation rate of Service Academy graduates.

Since 1957, the Army, Navy, and Air Force have achieved substantial reductions. The greatest gains have been made by the Army. Only the Marine Corps has experienced an increase.

Naval Academy graduates are eligible to request resignation from the Regular service after four years of commissioned service.

Graduates of the Military and Air Force Academies can request resignation after three years, but, beginning with the Classes of 1962, a minimum four-year obligation also will be required of graduates of both schools.

Congressional concern about the heavy post-graduation attrition rates among

Academy graduates in earlier years brought numerous proposals to extend obligated service requirements up to 10 years.

The efforts were fought in the House by Representative Paul J. Kilday (D-Tex) of the House Armed Services Committee. Congressman Kilday, the Committee's top expert on military manpower, argued that if an officer cannot be convinced in four years that he should make a career of the military service, it might "be better to let him go."

The current downward trend in the resignation rate is likely to still any further Congressional demands for increased service by Academy graduates.

Latest Pentagon studies show that resignations, for all Services, dropped from a total of 517 in 1957 to 438 the following year and to 342 in 1959.

Here is a breakdown for each Service:

Fiscal Year	Army	Navy	Marine Corps	Air Force	Total
1957	177	192	15	129	517
1958	129	180	25	140	438
1959	77	148	21	96	342

Army Lists Promotions In S.O. 147

The following Army officers were promoted to colonel, lieutenant colonel, major, and captain in S.O. 147. Effective date of rank is 11 July.

To Colonel

Cella, Andrew, AGC Shepard, J T, OrdC
Mausert, R N, Inf Zecca, M J, Arm

To Lieutenant Colonel

Barfoot, V T, Inf Partridge, A L, Arm
Cabell, DeR C, Jr. Silver, D L, Jr, Inf
Arty Sims, L H, Jr, Arty
Gabardy, R L, SigC Sullivan, J S, Jr, Inf
McKibben, B B, Jr, AS Weathers, J W, Jr, Inf
Moullis, W J, Inf

To Major

Atkins, John, MSC Murphie, D W, Inf

Basgall, J E, OrdC Neacy, M A, AMSC
Caldwell, R B, CE Reedy, J J, CE
Fallin, E D, AGC Robinson, J H, MPC
Garcia, Herman, Arty Schmidt, W R, MSC
Harney, R G, Arm Twisdale, T M, FC
Melton, L H, SigC Zieske, I G R, ANC

To Captain

Bloomquist, P A, MSC Perkins, A D, Jr, Inf
Brown, J I, MSC Phelan, M J, Jr, Inf
Buchalter, R E, Inf Phillips, B M, Jr,
Colbert, H M, Arm OrdC
Cook, P J, Arty Rhoades, F D, OrdC
Dotts, E M, WAC Rice, P L, Inf
Francis, J K, TC Rue, N L, SigC
Gaines, H W, MSC Sanders, L B, Inf

—Continued on page 25

ZEUS PROJECT OFFICER

Lt. Col. Glenn Crane has been named Project officer in charge of the Army's Nike Zeus anti-missile missile program. It is announced by Maj. Gen. August Schomburg, CG of the Army Ordnance Missile Command, Huntsville, Ala.

Colonel Crane will head the Army-industry team responsible for developing the anti-ICBM weapon system. He succeeds Col. John G. Zierdt, new Commander of the Army Rocket and Guided Missile Agency.

Colonel Crane has been assistant to Col. Zierdt on the Zeus project since February 1960. Prior to that time he was Special Assistant to the Commanding General of AOMC.

Col. Clarke Named D. C. Commissioner

Col. F. J. Clarke will become Engineer Commissioner for the District of Columbia effective 1 August.

Chief of Staff at Ft. Leonard Wood, Mo., Colonel Clarke, No. 4 man in the USMA '37 class, will succeed Brig. Gen. Alvin C. Welling, Engineer Commissioner since August 1957.

Colonel Clarke, 45, will be given an early promotion to brigadier general. He attended Cornell University 1939-40, receiving a Master of Science Degree in Civil Engineering, and has also attended the Advanced Management Course, the Graduate School of Business, Harvard University, graduating in 1954.

Heater Helps Diesel Starts For Tanks

A "manifold air heater" developed by Scintilla division of The Bendix Corporation in cooperation with Continental Aviation and Engineering Corporation and the Ordnance Department is being used as a cold-starting aid on the Continental AVDS-1790-2 engine that powers the Army's M-60 tank.

The system will permit rapid diesel engine starts at temperatures of minus 40 degrees F. or lower, according to Bendix officials.

The system operates by injecting engine fuel into a combustion chamber mounted on the engine intake manifold in which it is mixed with air and ignited by a Bendix ignition unit. The heat from the combustion in the intake manifold brings the temperature of the air up to the proper level for efficient engine compression.

The system has an ignition unit, heater unit; which mounts on the intake manifold; spark plug lead, which connects the ignition unit and spark plug located in the heater unit; and a solenoid valve that controls the flow of engine fuel to the heater unit.

A system for an engine consists of two sets of each of the components—a set mounted on each side of the "Vee" engine.

B/G Fleming To Dallas

Brig Gen. Robert J. Fleming will become Southwestern Division Engineer, Army Corps of Engineers, at Dallas, in November.

He will succeed retiring Brig. Gen. William Whipple.

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RAILS will provide the modern Army with a vital capability to land on the darkest night, through fog, snow or other hazardous low-visibility conditions. Units will be able to complete missions when and where required! An advanced Bell concept in electronics approach systems, RAILS is being developed under sponsorship of the Army Electronic Proving Ground, Fort Huachuca, Arizona. The system which is wholly contained within the aircraft except for a small ground beacon, automatically programs the pilot along a pre-selected path to a landing in unprepared areas... even at ceiling zero.

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the Army-Navy
Instrumentation
Program

OLYMPIC ARMORER

The international Olympic Committee has chosen W/O Herman D. Gano, Assistant 2d Infantry Division Armament Officer, Ft. Benning, Ga., as Armorer for the 1960 Olympic Games in Rome.

The 31-year-old gunsmith was selected after he won international recognition for his design of an electrically triggered pistol which will be used in the Olympics this year.

The new pistol is said to be the world's fastest. Tested by a chronograph, which measures the speed of lock time, the bullet in Mr. Gano's pistol is fired in one-fifth of one-millionth of a second.

The .22 caliber single shot pistol is triggered by a battery-operated electro-magnet. When the trigger is squeezed it closes the contact point, energizes the electro-magnet which pulls the sear bar from the sear allowing the firing pin and striker to go forward and fire the bullet.

Mr. Gano's pistol was used by the Army Advanced Marksmanship Unit Team in Europe this spring. The team toured five European countries and used the new pistol in slow-fire competition for the first time.

Extend O'Sea Tours Army Order Urges

The Army has ordered major commanders to encourage their personnel to extend voluntarily their overseas tours to maximum lengths.

For most officers and enlisted men, the maximum allowable overseas tour is four years. For certain CIC and field operational intelligence personnel, the maximum is six years.

The Army's reason for urging the longer tours is to cut travel costs. Overseas commanders have been given authority to approve extensions for enlisted men for any period in multiples of six months which do not exceed the maximum tour lengths.

They may also approve one or two six-month extensions or one 12-month extension for warrant officers and officers below lieutenant colonel.

Unaccompanied personnel below lieutenant colonel in short tour areas may be extended on a voluntary basis, for any period up to 12 months.

Requests for extension of six or 12 months from lieutenant colonels and colonels must be forwarded to the Department of the Army for approval. D/A must also approve all officer extensions for periods in excess of one year.

Col. Reynolds To Bragg

Col. James H. Reynolds of the Ordnance Weapons Command, Rock Island, Ill., will be assigned to the 1st Logistical Command at Ft. Bragg, N. C. He reports there 1 August.

U. S. ARMY ORDERS

Wilber M. Brucker—Secretary of the Army

Hugh M. Milton, II—Under Secretary of the Army
Dewey Short—Assistant Secretary (Manpower & Reserve Forces)
Courtney Johnson—Assistant Secretary (Logistics)
George H. Roderick—Assistant Secretary (Financial Management)
Richard S. Morse—Director, Research and Development
General Lyman Lemnitzer—Chief of Staff

GENERAL OFFICERS—

Maj General

Edwards, Farmer W., ret upon appl; 1 Aug.
Ward, Robert W., GS, Wash, DC, to USA Elm Hq Allied Forces Southern Europe, Naples, Italy.

Yeager, Walter B., Naples, Italy, to XII USA Corps, Atlanta.

Russell, Sam C., Ft Bliss, to EUSA Dest No O-Seoul.

Carter, Marshall S., EUSA, to USA Air Def Cen, Ft Bliss.

Doan, Leander L., Taipei, Taiwan, to Hq USCONARC, Ft Monroe.

Brig General

Whittaker, Howard R., to temp disab ret list (pd 90%).

Dahlen, Chester A., Ft Benning, to USA Elm MAAG Taiwan, Taipei; as Chief MAAG, Taiwan.

General Officer Appointments

To Maj General in RA

Moore, Ned D., w/DR 14 Aug '57.

Army Navy Air Force Journal
16 July 1960 (Vol. 97, P. 1327)

5

To Temp Maj General

W/DR as indicated:

Engler, Jean E., 2 Dec '55.
O'Connor, Daniel A., 4 Dec '55.
Ives, Hiram D., 6 Dec '55.

To Temp Brig General

W/DR as indicated:

Russ, Joseph R., Inf, 23 Jun '60.
Critz, Harry H., Arty, 25 Jun '60.
Wheeler, Lester L., Inf, 27 Jun '60.
Breakfield, Durward E., OrdC, 28 Jun '60.
Neely, Robert B., TC, 29 Jun '60.
Losey, Melvin D., TC, 30 Jun '60.
Wilson, Julian A., AGC, 1 Jul '60.

PROFESSOR, USMA—

Jannarone, John R., adv to Col, w/DR 1 Jul '60.

—Continued on page 15

SITE SUPPORT IN MINUTES WITH ALOUETTES!



ALOUETTE

AND THE "MINUTES PHILOSOPHY"

Our defense and offense complex must function in a matter of minutes. Reliable missile site support in "minutes" can be maintained by instant-starting, jet-powered Alouette* helicopters, world's only time-proven turbine copter. An Alouette Site Support Program is immediately available to the military—with tested reliability, and low maintenance and operational costs—at ONE-HALF THE COST of comparable programs.

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Navy Gets Green Light For First Deep-Diving Submarine

THE Navy has received a Congressional go-ahead for construction of the first deep-diving submarine at a cost of \$20.8 million.

Most of the details about the new vessel are classified. The Navy has disclosed, however, that she will be "small" in size, will be powered by a single screw, diesel-electric battery system, and will have a single 21-inch torpedo tube.

The new submarine will be utilized for experimental development of hull structures, sonar equipments and weapons systems for combatant submarines of the future.

In designing the vessel, the Navy has placed emphasis on small size, greatly increased test depth, active and passive sonar, and proper instrumentation for acoustic and oceanographic research. When the deep-diving submarine is not engaged in obtaining information for future submarine designs, she will be used as a medium-speed deep weapon impact target for antisubmarine warfare forces.

The Navy has not revealed the depths at which the submarine will operate, but has said, indirectly, that the new ship will dive much deeper than the atomic-powered Nautilus and her sister ships. An unofficial source has predicted that future submarines may be able to operate "20 times deeper" than the Nautilus.

VAdm. W. M. Beakley, Deputy CNO for Fleet Operations and Readiness, when asked why the new vessel would not be equipped with a nuclear powerplant, replied: "We simply do not have the lightweight nuclear-powered plant that could be put into this hull and take her down to these depths."

In another development related to the Navy's future submarine force, the experimental submarine Albacore will be given a \$14 million face-lifting.

The Albacore was constructed under the fiscal '50 shipbuilding program to develop and test advanced hydrodynamic design features in underseas vessels. Results of the Albacore studies brought vast improvements in submarines now under construction.

The \$14 million conversion work to be undertaken on the vessel is expected to help the Navy solve some of its "noise" problems.

Conversion of the Albacore will provide the submarine with a contra-rotating motor driving two propellers counter-rotating about the same axis, and a high capacity silver-zinc storage battery. The new motor will give the Navy data on the results of eliminating noisy reduction gears for application to future nuclear submarines.

As plans were going ahead for the new deep-diving submarine and conversion of the Albacore, the House Committee on Science and Astronautics disclosed details of a new, deep-diving research vessel—the Aluminaut—which can explore the ocean floor at depths up to 15,000 feet, over a range of 100 miles.

The Navy, as previously reported (THE JOURNAL, 2 July) has said it is considering a proposal to operate the small, three-man oceanographic research vessel, designed and constructed by the Reynolds Metal Co.

In its report, the House Committee said, "In essence, studies have revealed that through the use of unorthodox materials or geometric shapes, a true submarine can be designed that could safely descend to very great depths, with scientific payload, and eventually with combat payload, and yet derive buoyancy purely through displacement of sea water, as an ordinary submarine does, rather than through the use of artificial flotation."

The report was prepared by Dr. Edward Wenk, Jr., Senior Specialist in Science and Technology at the Library of Congress. Doctor Wenk conducted the first feasibility studies of pressure hulls for deep-diving submarines to be undertaken by the Committee on Undersea Warfare, National Academy of Sciences-National Research Council.

In the report, he notes that the operations of the Aluminaut at 15,000 feet, although the vessel is "not intended

for use as a combat vehicle," should "prove highly interesting to Naval planners."

The Aluminaut, the report states, will comprise a cylindrical hull—seven feet inside diameter, six-inches thick, roughly 33 feet long—enclosed at both ends by hemispherical shells. The stern will be further tapered for streamlining and will incorporate a propulsion and control capsule with diving fins and a swiveling propeller. Like the converted Albacore, the Aluminaut will use silver-zinc storage batteries. It will be operated by a crew of three, will be capable of sub-

merging for periods of up to two days at a time, and will carry a payload of scientific equipment weighing two or more tons.

The House report notes that the barrier which has historically restrained man from submarine operations at all depths in the ocean now shows promise of being dissolved by technological advancement.

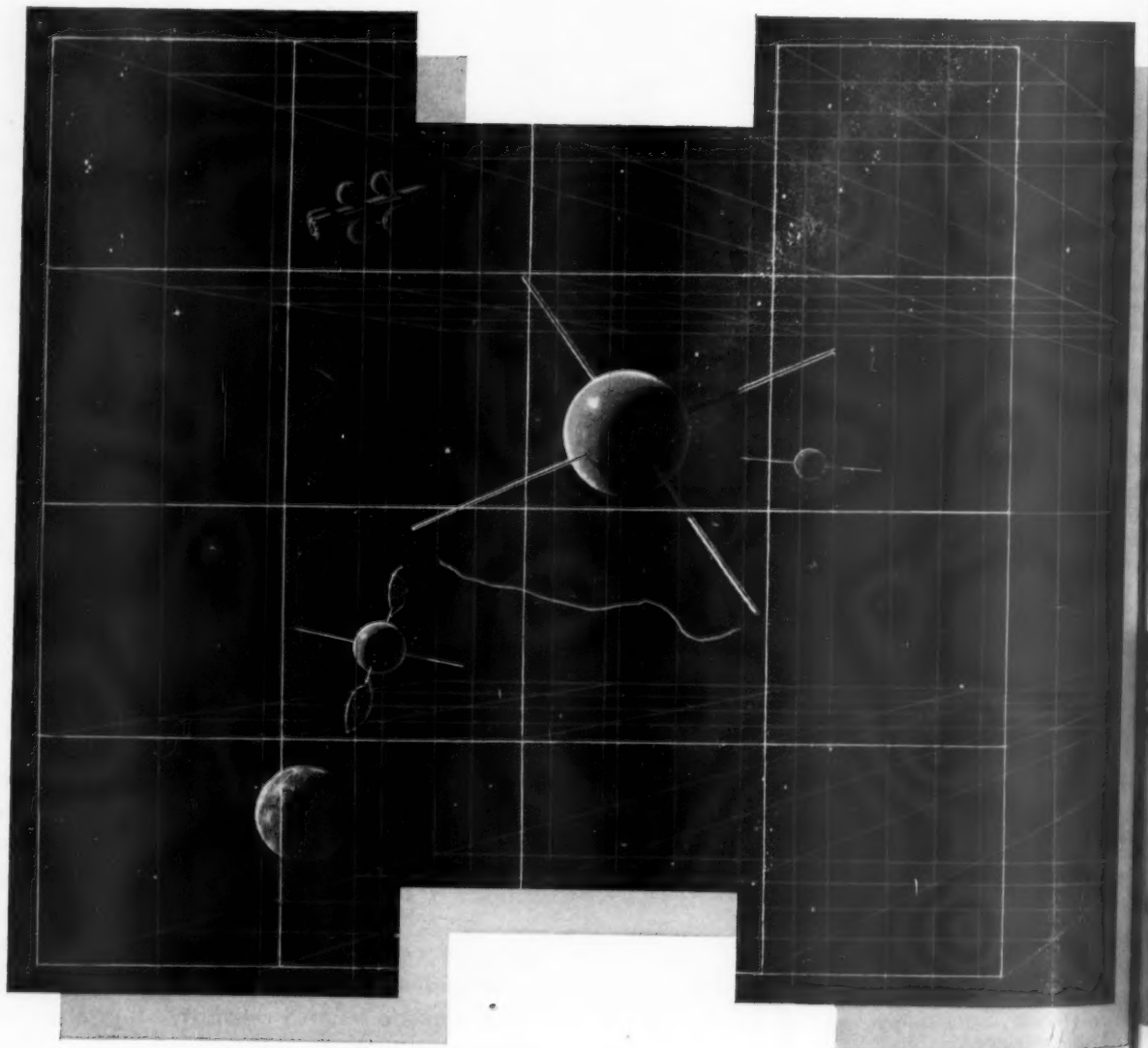
"High-strength steels, high-strength aluminum alloys, fiberglass reinforced plastic, titanium, and beryllium as engineering materials," the report states, "show the promise of producing struc-

tures whose strength-to-weight characteristics will permit their use in submarine hulls for operations 10 to 20 times deeper than the depth cited for the Nautilus."

Col. Love With 2d

Col. James W. Love, newly-promoted, is 2d Marine Division Deputy CofS at Camp Lejeune, N. C. He has served as Commander of the division's 2d Pioneer Battalion.

How to take a satellite



CONQUEST COMMANDER

LCdr. Carl J. Costanzo has assumed command of the ocean minesweeper Conquest at the Long Beach, Calif., Naval Station.

He relieved LCdr. R. F. Wilson, ordered to instructor duty at the U. S. Naval Academy. Commander Costanzo's last duty was Executive Officer of the destroyer Wedderburn.

His wife is the former Lela Christian of Fabens, Texas. They live with their son, Larry, at 4957 Los Coyotes Blvd., Long Beach.

Capt. Osborne New CO Of Mine Squadron 7

Capt. Manley C. Osborne, USN, executive Officer of the Naval Ordnance Missile Test Facility, White Sands Missile Range, N. M., has been ordered to Command of Mine Squadron Seven. Orders published in THE JOURNAL of 25 June reporting that Captain Osborne was to go to Parris Island were in error.

"Old Ironsides" Skipper

"Old Ironsides" has a new skipper. Lt.(jg) Victor B. Stevens, USNR, has assumed command of the Navy's oldest frigate, Constitution, at Boston.

16 July 1960 (Vol. 97, P. 1329)

Army Navy Air Force Journal

7

U. S. NAVY ORDERS

William B. Franke—Secretary of the Navy
Fred A. Bantz—Under Secretary of the Navy
James H. Wakelin, Jr.—Assistant Secretary (Research & Development)
Cecil F. Milne—Assistant Secretary (Material)
Richard Jackson—Assistant Secretary (Manpower, Personnel & Reserve Forces)
Admiral Arleigh A. Burke—Chief of Naval Operations

VICE ADMIRAL

Sides, John H. from Director of the Weapons Systems Evaluation Group, Office of the Director of Defense Research and Engineering, Washington, DC; to C-in-C Pacific Fleet.

REAR ADMIRAL

Massey, Forsyth, from Director of the Aviation Plans Division in the office of the

Chief of Naval Operations; to Commander Carrier Division Four.

CAPTAIN

Burke, Edmund, Jr. Staff C-in-C PacFilt; to PacMissile Range, Pt Mugu.
Camera, John A. CO AirFeRon 31; to Staff NavWarCol, Newport.
Cooper, James S. Staff C NABaTra; to CO AEWRon 15.
Curren, Gall T. FleAct Sasebo; to NavCBCen, Port Hueneme.
Henderson, Davis, NavDental Clinic, Gtmo; to NAS Jacksonville.
Hilt, John J. NavSta Seattle; to NSD Seattle.
Hunt, William A. Jr. CO USS Tidewater; to CO NavRecSta Norva.
Kasper, Stephen T. 1 ND; to Boston Nav ShipYd.
Leisz, Albert P. NavDentalClinic, NavBase, New York, Brooklyn; to NTC Bainbridge.
Lippincott, Charles A. NavHosp NAS Jacksonville; to 9 ND Assistant District Medical Officer.
Lohmann, Eric A. Ofc of BuWepsGenRep, WestDist, El Segundo; to BuWepsRep, El Segundo Division, Douglas Aircraft Co.
Lundin, Carl E. Jr. 5 ND; to Ofc of JAG, Navy Dept.
Mansfield, Jack E. CO USS Platte; to Staff CInC Pacific Fleet.
Martin, Marshall T. ComNAB, 14 ND; to CofS and Alde, ComNAB, 14 ND.
Matthews, Walter S. Jr. NavCBCen Port Hueneme; to NavSta Guam.
Merrill, Sidney D B. ComDesDevGru 2; to BuWeps.
Moynahan, James T. CO NAS Glyneo, Brunswick, Ga; to ONM, NavDept.
Ohl, George, Jr. Ofc of OICC, BuDocksContr, Madrid; to OICC BuDocks Contrs, Madrid.
Price, Frank H. Jr. ComDesDiv 362; to CofS and Alde ComCarDiv 18.
Scott, Albert P. CO USS Oglethorpe; to 9 ND.
Smith, Bryan H. Jr. CofS and Alde ComCar Div 18; to CofS and Alde ComInLant.
Stark, Harry B. Staff CInCPacFilt; to Com DesRon 3.

Starting with an etching made from an original drawing, this extremely small electrode structure is created by vacuum deposition. The unusual matrix of memory cells is used in Hughes data processing equipment.



These capabilities require a new beam-scanning technique, a major step beyond frequency or phase control of arrays. This kind of advance is typical of the work done by Hughes in radar.

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alpha-numeric displays, developed by Hughes Fulbright engineers, can simultaneously plot hundreds of moving aircraft.

Navy Relief Receives Big Boston Boost



ADM. Carl F. Espe, Commandant of the First Naval District, presents Capt. Francis A. Burke, District Chaplain and Executive Vice President of the Massachusetts Auxiliary of the Navy Relief Society with a check for \$26,000. This was the net contribution to the Society gained from the recent fund drive held in Boston. Highlight of the drive was a two-night carnival when more than 22,300 tickets were sold.

Stebbins, Edgar E. CO USS Great Sitkin; to CO USS Boxer.
Wood, Harry W. JCS Joint Staff, to Staff CInC USNavEur.

COMMANDER

Gill, Norman W. USS VERMILION; to CO USS REHOBOTH.
Haddock, William N. INSTITUTE OF TECHNOLOGY, WRIGHT PATTERSON AFB, OHIO; to PUGET SOUND NAVSHIPYD.
Ischinger, Eric, Jr. OPNAV; to COMCORT RON 16.
Kratochvil, Frank J. Jr. USS SIERRA; to NAV DENTAL SCOL NATNAVMEDCEN BETHESDA.
Moulton, Bernard W. BUWEP; to USS SAINT PAUL.
Parrish, Donald E. FAIRSAN DIEGO; to NAS AGANA.

—Continued on page 13

AF RECORDS DEPUTY

Col. Carroll S. Geddes, Chief of the Reserve Activities Group, Directorate of Military Personnel at USAF Headquarters, has been appointed Deputy Commander of Air Reserve Records Center, Denver. He succeeds Colonel C. C. Williams, USAF-Ret.

Colonel Geddes served as Assistant to the Dean of Students at the University of Minnesota for 10 years before entering the Army Air Corps in 1942.

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Col. Ellis Is Rep. At North American

New Air Force Plant Representative for North American Aviation, Inc. at Los Angeles is Col. Sherman E. Ellis, former Director of Space and Satellites for the AMC Ballistic Missiles Center at Inglewood, Calif.



COL. ELLIS

One of the pioneers of Air Force missile and space procurement, he was assigned to the BMC in March of 1956 and headed the Directorate of Production. Colonel Ellis holds a BS degree from the University of Missouri, and a Master's degree in Industrial Engineering from the University of Michigan. He is also a graduate of special aeronautical and management courses at Drury College, Mo., and George Washington University.

Colonel and Mrs. Ellis, the former Mary Elizabeth Bennett, with their daughters Sharon, Linda, and Diana, are living at 238 Via Linda Vista in Redondo Beach, Calif.

Col. Alexander Commands Seymour-Johnson AFB

Col. David W. Alexander takes command of Seymour Johnson AFB, N. C., 22 July when he replaces Col. William M. Redington, assigned to the Armed Forces Staff College, Norfolk, Va., as a faculty member.

A '39 graduate of Virginia Polytechnic Institute, Colonel Alexander comes to Seymour Johnson from the Industrial College of the Armed Forces, Washington, D. C., where he served on the faculty.

Colonel Alexander is married to the former Beryl Hogarth of London, England. They have three daughters: June, born in London, 30 June 1945; Carol, born at Maxwell AFB, Ala. 6 March 1948; and Tina born in Washington, D. C., on 14 February, 1958.

M/G SUTHERLAND TAKES COMMAND

MAJ. Gen. John R. Sutherland has arrived at Kadena AB, Okinawa, to assume command of the U. S. Air Forces in the Ryukyus—the 13th Air Division. He reports from command of the 3380th Technical Training Center, Kessler AFB, Miss.

At the end of WWII, General Sutherland, then a colonel, organized and directed the air drop of supplies to POW camps in Japan, China, Korea, and Manchuria.

In March 1946, General Sutherland, USMA '32, was selected to serve as the Air Force Technical representative at Los Alamos Laboratories on the "Crossroads" project. The next year he was appointed Chief of the AMC Special Weapons Section at Wright-Patterson AFB, Ohio. He also served as Air Force staff member of the Los Alamos Technical Staff and participated in the Sandstone Test at Eniwetok Atoll in 1948.

The general is accompanied to his new assignment by Mrs. Sutherland, the former Ruth Hite of White Plains, N. Y. General and Mrs. Sutherland have two children, Anne H., a 19 year old student at Stephens College, Columbia, Mo., and 1st Lt. John R. Sutherland, Jr., 24, and like his father a graduate of West Point. Lt. Sutherland is currently a member of the 101st Airborne Division at Ft. Campbell, Ky.

U. S. AIR FORCE ORDERS

Dudley C. Sharp—Secretary of the Air Force
Joseph V. Charyk—Under Secretary of the Air Force
Philip B. Taylor—Assistant Secretary (Material)
Lyle S. Garlock—Assistant Secretary (Financial Management)
Courtland Perkins—Assistant Secretary (Research & Development)
General Thomas D. White—Chief of Staff

BRIGADIER GENERAL

Arnold, Walter E. Dir. Flt & Msl Safety Rsch. Ofc/TIG, USAF, Norton AFB, is apt Den IG for Safety as add dy, eff 28 June until arr of Maj Gen Griffith.

COLONEL

Fr Wash, DC, to Sta Indicated

Millberry, Robt I, Hq USAF, APO 633, NY.
Yudkin, Richard A, Hq PacAF, APO 953, SF.
Matheson, Charles F, Hq 401st Tac Ftr Wg, TAC, England AFB.
Wimsatt, Joseph F, Det 1 (SHAPE), Marly-le-Roi, France, w/dy sta NATO Def Coll, Paris, France.
Glaser, Goodlett J, 1002d IG Gp, Hq Comd USAF, Norton AFB.

LIEUTENANT COLONEL

Kloess, Edward J, Hill AFB, to ADC, Stewart AFB.

Fr Wash, DC, to Sta Indicated

Carpenter, John W, Hq 6143d AB Gp, PacAF, APO 929, SF.
Kemerling, William E, Hq Sec Wg, USAFSS, APO 757, NY.

MAJOR

Troil, Raymond C, Brookley AFB, to Hq Eastern Contr Mgmt Reg, AMC, Olmsted AFB.
Wolfe, John L, Wash, DC, to 5700th Mat Sq, CAIRC, APO 825, NY.

M/G Underhill Gets EUCOM Third Star

Lt. Gen. Edward H. Underhill, USAF, newly promoted, has assumed duties as CofS, U. S. European Command in Paris.

General Underhill replaces retiring Lt. Gen. Glenn O. Barcus, USAF. General Barcus had served in the post since April 1957 and was recently awarded the DSM.

Prior to reporting to EUCOM, General Underhill was the senior Air Force member of the Military Studies and Liaison Division, Weapon System Evaluation Group, in the Office of the Secretary of Defense.

Dollahan, Jack W, Wash, DC, to Hq 721st ADiv, USAF, APO 254, NY.

Fr Ent AFB to Sta Indicated

Stout, Robert A, dy sta McDonnell Acft Corp, St Louis.
Reding, John A, Hq Seventeenth AF, USAF, APO 12, NY.
Rice, Robert E, Hq USAF, APO 633, NY, for dy/w DCS/Oprs.

CAPTAIN

Sickbert, Muri J, Ent AFB, to 4684th AB Gp, ADC, APO 121, NY.
Worth, Francis H, Hill AFB, to 3130th AB Gp, APO 10, NY.
Flynn, Harold C, Moody AFB, to dy sta AAF, Coll, College Station, Tex.
Ferland, Andrew J, Wash, DC, to Hq 501st AB Wg, AAC, APO 937, Seattle.
Snyder, William J, Brookley AFB, to dy sta AMC Msls Fld Ofc, Plattsburg AFB.

1st LIEUTENANT

Distefano, Frank A, Brigham City, Utah, to Western Contr Mgmt Rgn, AMC, Mira Loma AF Sta.

Fr Moody AFB to Sta Indicated

Coffield, Dallas B, 20th Tac Ftr Wg, USAF, APO 120, NY.
Sinclair, Jerry L, 4241st Strat Wg, SAC, Seymour-Johnson AFB.
Adams, Lynn D, 97th Bmb Wg, Blytheville AFB.

2d LIEUTENANT

Raine, Phyllis J, (NC), Robins AFB, to US AFH, USAF, APO 633, NY.

—Continued on next page

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Service Retired Have Lost \$60 Million Since 1 June 1958 Pay Act Took Effect

From first page—

encouraged—particularly in an election year—to vote approval of Pay Equalization next month.

The fact that the Senate and the House passed a Federal civilian pay raise over the veto of the White House provides a strong argument, if Defense officials care to use it, for fair treatment of Service people as well.

In the Senate, the bill is known to have widespread support. Its passage has been thwarted by Senator John Stennis (D-Miss) of the Armed Services Committee. Senator Stennis has said he believes the entire military retirement system should be brought under new review, particularly with regard to the possibility of a contributory system. The Senator has asked Armed Services Committee aides to make a report to him on military retirement. The status of this report is not known.

Last July, President Eisenhower, in a

letter to a USMA '15 classmate, Brig. Gen. Frederic W. Boye, USA-Ret., published for the first time in THE JOURNAL issue of 25 July 1959, said:

"It is my conviction that this adjustment should be made."

The President reaffirmed this conviction in his budget message to Congress, and called for enactment of remedial legislation. This was the only personnel proposal in the Administration's military legislative package.

Subsequent months have seen ineffective presentations by Defense leaders in support of the President's action.

ATOMIC ENERGY TO ICELAND DUTY

T. Col. Donn G. Thompson, USAF, has been assigned to duty in Iceland. During the past two years, he has been the Deputy Director of Security, Review and Information at the Defense Atomic Support Agency Headquarters in the Pentagon. Formerly, he was the Executive Officer of the Air Defense Command's 29th Air Division at Great Falls, Mont.

During the Korean conflict, Colonel Thompson commanded a secret radar installation behind the North Korean lines. This station aided in warning U. N. forces of approaching enemy aircraft, and assisted in the rescue and return to duty of many allied fliers.

Colonel Thompson will be accompanied to Iceland by his wife, Evelynne, and their two children, Richard, age 15 and Karen, age 9.

USAF Orders

From preceding page—

CHIEF WARRANT OFFICER

Keyser, W-3 John C, Ent AFB, to Pnt Sq Sec, USAFH, USAF Aerospace Med Cen, ATC, Lackland AFB.

REVOKED—

Murphy, Maj Raymond J, prev ors re his placement on Temp Disab Ret List, revo.
Bradley, Maj Derwin W, prev ors re his rsg fr Wash, DC, to Hq AFCCDD, ARDC, L G Hanscom Fld, revo.
Halbrook, Capt Layton J, prev ors re his ret, revo.

RETIRED—

Colonel

Moise, (LtCol) Samuel L, as Col.
Bing, Andrew J, Estes, Muri
Williams, James R, Peterson, Cleo F
Walker, (LtCol) Lloyd A, Jr, as LtCol & adv to Col.

Lt Colonel

Wilson, Walter G, Macey, William H
Fleming, Arch C, Taylor, Thomas E
Terrell, Lee R, Berendt, Edward A
Wogan, Sidney F, as Davis, Thomas J
Col, Huntington, Edw M
Lee, Carl C
Sanders, (Maj) William B, as Maj & adv to LtCol.

Major

Walker, Quentin J, as LtCol.
Stroupe, Edward P, as LtCol.
Thompson, Moore, Jr, Stevens, John P
Parker, Ernest E, Symens, Milford H, as LtCol
Goodman, Murray S, Thompson, Larue E
Holloway, Victor N, Wassman, John M, as LtCol
Hill, James L, Watson, Howard R
Welch, Eleanor, Kennedy, Robert E, as LtCol
Ittner, Evans A, as Lt Col
Howard, George L, as LtCol
Johnston, Bobbie L, as LtCol
Leverett, Chas T, as LtCol

Captain

McDermott, Daniel J, as Maj.
Gleim, Edward, Sugg, John F, as Maj
Grover, Richard S, as Baird, John T, Jr, as Maj
Henson, Berry W, as McMichael, Richard P, as Maj
Simpson, Robt M

—Continued on page 24

Col. Cox To Truax

Col. Robert B. Cox, 14th Air Force Comptroller at Robins AFB, Ga., has reported to Truax Field, Wis., for assignment as Executive Officer of the 30th Air Division (ADC).



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The Vigilante can fly through the stratosphere faster than the earth turns beneath it; yet can throttle down to comfortable landing speeds for carrier decks—or small fields ashore. It is also notable for prompt response characteristics that make it ideally suited for low-level missions over irregular terrain. Its speed and maneuverability plus the most advanced fire control systems known make it a single airplane with an outstanding dual capability—high-performance attack or long-range interception.

The A3J Vigilante truly is a significant addition to the U. S. arsenal dedicated to preserving world peace.

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Assistant Editor

D. C. BROWN
President-Comptroller

LOUIS R. STOCKSTILL
Congressional Editor

16 JULY 1960

Let's Get Going With The B-70

If, as now appears likely, the Administration will permit the Department of Defense to spend the extra money Congress appropriated for Air Force aircraft, it is urgent that the B-70 program be resuscitated at the earliest possible moment.

Even if the decision to release the new funds is made at once, the study made by the Senate Preparedness Investigating Subcommittee concluded that the first flight of this advanced bomber could not be achieved before December of 1962—approximately one year later than the original target date.

With adequate funding in future years, the Senate Subcommittee reported, the first SAC wing could be equipped by the Fall of 1966, which also represents a 12-month delay from the original schedule.

The original decision to proceed with the B-70 program was based upon certain premises which are still undisputed: 1) despite the promise of ICBMs, there will be a continuing need for manned bombers for the foreseeable future; 2) the B-52 will start becoming obsolescent in the mid-1960s; 3) we can and should make the step forward represented by the program for a Mach-3 bomber.

Furthermore, the B-70 program offers the additional prospect of opening the way for a Mach-3 commercial transport plus an ultimate adaptation as a nuclear powered aircraft.

The future of airpower, both for military and commercial application, has suffered a set-back because of the budgetary horsing-around with the B-70. Now that Congress has appropriated the money to put the program back on its feet, any further delays can only open the Administration and the Department of Defense to the charge that they are jeopardizing America's future as an air power.

"Fire-In-Anger" Ballistic Missile Capability

The Strategic Air Command's 1st Missile Division, with headquarters at Vandenberg AFB, Calif., is carrying out its twin operational and training roles in the ballistic missile field with notable success. As its Commander, Maj. Gen. David Wade, USAF, tells in a "Commander's Report" on page one, the Division's "fire-in-anger capability" is increasing sharply. Noteworthy also has been the training at Vandenberg of combat-ready RAF crews for Thor squadrons in the United Kingdom.

The great emphasis on research and development in the ballistic missile and space fields sometimes has obscured the progress being made by combat units such as SAC's 1st Missile Division. We hope in the months ahead that the Pentagon leadership, Congress, and the Nation will give increasing recognition to the fact that, first and foremost, a military force, whether an infantry regiment, a destroyer squadron, or a missile wing, must be ready at all times to fire-in-anger at the order of the President, who is the Commander-in-Chief.

This combat readiness, exemplified by the men of General Wade's command, is the backbone of our deterrent strength. The best possible "hardware" is essential to National Security, but it comes to effective life only in the hands of skilled and dedicated men.

Defense-Industry Team Scores Success

The Department of Defense, with the close cooperation of industry representatives, has succeeded in promulgating a new directive which is certain to improve the quality of household goods shipments for Armed Forces families. The directive, published in full text in last week's issue of THE JOURNAL, assures Service families a bigger say in the movement of their belongings, and at the same time provides for an "equitable" distribution of business among the Nation's quality carrier organizations.

The directive represents a compromise action between the industry representatives who wanted a complete "free choice" proviso, and those who insisted on maintaining the automatic rotation system previously in effect. There is, however, no compromise when it comes to the matter of quality. The directive gives Service families and transportation officers effective means to assure the highest possible quality.

CUMBERERS OF THE EARTH:

Navy Secretary Didn't Like Bachelors

(Ever since 1863, THE JOURNAL has been privileged to report scores of thousands of Service weddings. The other day, a JOURNAL reporter was checking the files, and happened on this report from the 21 February 1914 issue).

SECRETARY of the Navy Daniels has kindly opened the way for several officers of the Navy to get married, and it is hoped that Secretary of War Garrison will do as much for the Army when an emergency arises. Asst. Paymr. John H. Knapp, attached to the Mayflower, was ordered to Mexico on the eve of his marriage to Miss Maitland Marshall, daughter of Brig. Gen. William L. Marshall, U.S.A., retired, and Mrs. Marshall, and Lieut. Harrison E. Knauss, also of the Mayflower, desired to get married a little later.

Both officers are to be transferred in April. Lieutenant Knauss will be transferred from the Mayflower before that vessel leaves for Mexico, but it is impossible to transfer the accounts of Assistant Paymaster to another paymaster in that short time. He will have to go to Mexico, but he will be allowed to return before the date set for the wedding April 22.

"I never did think much of bachelors," said Mr. Daniels in announcing his intention to assist cupid. "They are but cumberers of the earth, doing no good to themselves or to anybody else. I believe in all naval officers above the rank of ensign marrying, and I intend to do everything in my power to help them."

READERS' VIEWS

Medical Men & Signal Corps

I should like to compliment you, and through you, Maj. Gen. R. T. Nelson, USA, on his fine article on the Signal Corps Centennial. Naturally, we in the Medical profession, are very proud indeed that Assistant Surgeon Albert J. Myer, the man for whom Fort Myer is named, was commissioned as Signal Officer with the rank of major in the establishment of the new Signal Corps. Major Myer is an excellent example of a person with a "prepared mind," who, through years of study and observation, recognized that without better means of communication than the post, the Army was blind. He had observed the type of signaling used by the Indians to a high degree of perfection. He further developed this visual system and quickly adapted the recently introduced telegraph to the needs of the military. Major Myer served in his new post with distinction and was later accorded the rank of Brigadier general.

The Medical and Signal Corps are closely allied and have overlapping genealogy. For example, Sir Humphry Davy started as a surgeon apothecary's assistant and he, in turn, trained Michael Faraday. Galvani had a degree in both medicine and physics as did von Helmholtz, who might well be called the father of the physics and physiology of optics. And currently there is of such great importance to both the Signal Corps and Medicine.

FRANK B. BERRY, M. D.
ASS'T. SECRETARY OF DEFENSE
HEALTH AND MEDICAL

Writes His Senator

Many thanks for your comments under "Memo", p. 12 of the 2 July edition reference present status of the Retired Pay-Equalization Bill.

I mailed the "comments" to Senator Johnson with a personal request that

he give active support to the bill and hope that many others do the same.

We of the Armed Services are fortunate indeed to have a spokesman such as THE JOURNAL to speak up in behalf of those both active and retired.

May you ever continue to do so.

Again 'thanks.'

VERNON ECKMAN, SR.
M/SGT., USAF-RET.
Box 165, PIPE CREEK, TEX.

96th Bomb Wing Members

Request your assistance in locating former members of the WWII 96th Bombardment Group one of Eighth Air Force's finest.

The Group, activated in early 1942 under Lt. Col. Archie J. Old, Jr., (presently Lieutenant General, Commander of SAC's Fifteenth Air Force) was assigned to Salt Lake City Army Air Base, Utah; Gowen Field, Idaho; Walla Walla, Wash., and other bases State-side.

After deployment overseas to the U. K. to Grafton-Underwood, Andrews Field, Sussex, and Snetterton-Heath, Norfolk, England, the 96th Bombardment Group, flying B-17's and 320 combat missions coincidentally destroyed 320 enemy aircraft.

The reactivated (since 1953 with B-47 aircraft) 96th Bombardment Wing, presently under SAC's Fifteenth Air Force, will host a reunion of former unit members 27-30 October 1960 at Dyess AFB, Tex.

The 96th Bombardment Wing recently was honored with the award of the Pat Fleming Trophy which is symbolic of the outstanding medium wing in Fifteenth Air Force.

Further Reunion information can be obtained by contacting the Reunion Committee, 96th Bomb Group Association, Dyess AFB, Tex.

B. C. ANDRUS, JR.
COLONEL, USAF
COMMANDER
DYESS AFB, TEX.

IN THE JOURNAL

U. S. Forces Under Blue Flag In Korea; First Fleet Air Trial Set; Swiss Army Numbers 200,000

10 Years Ago—American Armed Forces, now fighting under the blue flag of the United Nations, have slowed but not halted the advance of Communist forces in Korea. Heavily outnumbered American ground troops have withdrawn to the south bank of the wide Kum River, a formidable tank obstacle, 15 miles north of the advance headquarters at Taejon.

50 Years Ago—The first experiments in the use of aeroplanes in connection with naval operations by the U. S. Navy will take place off Annapolis as soon after the return of the torpedo boat Bagley on Tuesday next as can be arranged. The aeroplane used will be that built by Congressman Butler Ames, and the start will be made from the Bagley, which is now being fitted in Washington with a special platform. . . . It is believed that a satisfactory start can be made from the deck of a torpedo boat, using the special platform, the initial impetus being afforded by the speed of the vessel instead of a run along the ground.

96 Years Ago—According to official documents, the total Swiss Army on the 1st of January, 1864, numbered 200,000 men, of which 45,525 were in the reserve, and 63,620 in the Landwehr.

Secretary Franke Tells Navy Board His Views On Flag Selection Objectives

(The following is the text of a dispatch from Secretary of the Navy William B. Franke to Admiral Herbert G. Hopwood, President of the Flag Selection Board. The Secretary tells his views concerning the task of choosing officers for flag rank.)

I WISH to take this opportunity to welcome you as the senior member of the board which will select line captains for promotion to flag rank. The importance of the task awaiting you and your fellow board members is immeasurable. The officers you select will succeed to the leadership of the Navy in the next few years. Both the well-being of the Navy and the security of the country may well depend upon the wisdom of your selection.

18% IN-ZONE RATE

The Chief of Naval Personnel will provide you with studies which analyze in mathematical terms the opportunities afforded in the past and opportunities anticipated for the next five years by selections made and to be made. In this year, for example, the selection opportunity contemplated for those within the selection zone will be approximately 18%. I would emphasize that these are mathematic reflections and projections only, and are not intended as blueprints to control the exercise of your judgment.

The Chief of Naval Personnel will also furnish any further information which you find necessary in arriving at your recommendations.

I fully recognize the difficulty you will experience in determining accurately and fairly from so many splendid records, those officers with a high potential for constructive and inspiring leadership. As you know, an officer's official record represents only a part of the picture. Ability to carry out accurately a prescribed routine or to follow standard doctrine is a valuable attribute when displayed by a subordinate; it is not, as you well know, a proper measure of the flag officer necessary for these trying times.

NATIONAL vs PAROCHIAL

To meet the professional challenge of today and tomorrow, it seems to me that a future flag officer must have a demonstrated ability to think in terms of the national, as distinguished from the more parochial or service view, to do creative and original professional work and to communicate ideas, both orally and in writing, with clarity and vigor. It is here that an officer's service reputation should be known to the Board. I stress this point because I am convinced that promotion to flag rank cannot be considered only as a reward for efficient and even distinguished service but must, in large part, reflect the Board's opinion as to the officer's potential for the future.

I should also point out some trends which influence the personal attributes of the officers we may select. Flag Boards for years have recognized that the primary qualification for the majority of our admirals is a thorough sea-going background in the Line of the Navy, the Line being our basic executive structure. The Board, however, must evaluate each officer's performance as represented by his record throughout his entire career not only in

positions of sea command but also in positions that have demanded high performance on the planning level and a keen discernment of future operational requirements. It has been customary in past years to base evaluation of ability to command at sea primarily on performance in command of major combatant commands. In 1958 officers were selected without having served in such commands, but who had demonstrated outstanding capability to command at sea in smaller units. The wisdom of such selection has been proven by the performance of these officers in flag rank.

STUDY ALL GRADES

It is recommended that the Board establish to its satisfaction the qualification of each officer for flag rank by examination of his performance in command in all grades; and where such performance has been established, officers be evaluated for selection on this basis. The lack of opportunity for performance in so-called deep draft and major combatant commands should be considered in the light of other and perhaps equally significant—indications of ability to command and of future promise.

The explosive technology of our modern weapons systems requires a high degree of concentration and knowledge in particular areas and precludes, to a great degree, the rapid rotation from job to job of many of our most outstanding officers for the purpose of qualifying them in all phases of naval warfare in the pattern of the past. It thus becomes increasingly necessary for the career patterns of Unrestricted Line officers to be channeled into fields of technical specialty; i.e., repeated assignments in the same general technical area. This is necessary in order to inject the maximum of fleet experience and viewpoint into these fields; to provide the fleet with a high level of technical competence; to improve the level of experience in the technical fields ashore and afloat; to improve the continuity in the technical fields; and to improve the depth of technical "know how" of those controlling the technical business of the Navy.

SUB-SPECIALIZATION

This concept of sub-specialization is vital if we are to obtain better management of industrial and field activities and strong military control of the Navy's technical business. The "broad gauge" quality required in our flag officers can be amply demonstrated within such career patterns.

In the light of the foregoing, I wish to emphasize that the requirement for flag officers who are articulate, cultured and capable of magnetic personal leadership remains unchanged.

Our promotion law places no limitation on the area from which flag officers may be selected except for the minimum terms of service in the grade of captain for eligibility. It was the intent of the law to place no stigma on the officers not selected for flag rank merely because a more junior captain was promoted over their heads to meet specific needs and requirements of the Service.

POLICY FOR "EXCEPTIONAL"

The legislative history of the Officer Personnel Act clearly shows the intent of Congress that in making selections to the grade of Rear Admiral, selection boards should afford earlier advancement to exceptionally outstanding officers, without reflection on their contemporaries in any way. Selection of preeminent officers for early promotion can be an assurance to all officers that the Naval Service recognizes those of exceptional ability, potential, and performance without prejudicing the remainder. Your selections, therefore, can be made from all eligibles without reflection on the outstanding records of more senior officers.

In considering those officers below the zone it is well to remember that flag officer talent, like any other human characteristic, is not distributed evenly throughout the population. Certain year groups may have more or less than others. The obviously well recognized "head and shoulders" officer should, of course, be accelerated; but a fetish should not be made of below-the-zone selection for its sake alone. All eligibles merit careful scrutiny and while great caution should be exercised in above-the-zone selections, it is also true that indiscriminate selections below the zone should be avoided to the end that only truly best fitted officers achieve the extraordinary distinction of flag rank.

JOINT SERVICE DIRECTIVE

Department of Defense Directive 1320.5 of December 2, 1959 establishes a requirement that all officers of the Unrestricted Line will serve a normal tour of duty with a Joint, Combined, Allied or OSD Staff before being considered qualified for promotion to general or flag officer rank. Such qualifying duty shall be interpreted to include service with MAAG's which involves substantial joint, combined or allied activity and on commands or staffs which, in fact, plan for or conduct joint, combined or allied operations as a part of their normal duties. The directive further provides that waiver of this requirement in individual cases will be recommended by flag and general officer selection boards in view of inadequate numbers of qualifying billets and the necessity of integrating this requirement within the assignment pattern of field grade officers with individual service requirements.

The Chief of Naval Personnel is in the process of implementing this directive, both as to detailing procedures and as to determination of the billets which will constitute qualification, but such implementation will require several years to complete. The board therefore should make its selections based on service requirements, as set forth earlier in this letter, and the lack of joint staff service should not militate against the selection of an otherwise selectable candidate, but obviously careful justification of any requested waiver must be prepared. The procedure set forth in Department of Defense Directive 1320.5 for recommending

waivers should be used as described in paragraph III D of the directive.

INFLUENCE ON FUTURE

I am confident that this year's selections will have a great influence on the future of the Navy and the role it will play in our integrated defense picture during the next decade.

I extend my best wishes and fullest confidence to you and your fellow members.

Marine Boards Choose Generals

Here are the memberships of the top Marine Corps boards choosing officers for general ranks and colonel.

TO BRIGADIER GENERAL

Lt. Gen. John C. Munn, President.
Major Generals Charles H. Hayes, August Larson, Richard C. Mangrum, and Frederick L. Wieseman.

Brigadier Generals William P. Battell, George H. Cloud, Alpha L. Bowser, Sidney S. Wade, Henry W. Buse, Jr., and Herman Nickerson, Jr.

TO MAJOR GENERAL

Lt. Gen. Lewis B. Fuller, USMC-Ret., President.

Lt. Gen. Wallace M. Greene, Jr.
Major Generals Henry R. Paige, Alan Shapley, Arthur F. Binney, Thomas G. Ennis, Carson A. Roberts, James P. Berkeley, and Donald M. Weller.

TO COLONEL

Lt. Gen. Edward W. Snedeker, President.

Major Generals Arthur F. Binney and Richard C. Mangrum.

Brigadier Generals Harold D. Hansen, Frank C. Tharin, William J. Van Ryzin, Odell M. Conoley, William T. Fairbourn, Bruno A. Hochmuth, and William R. Collins.

AF Consultant Gets Post At Harvard

Edmund P. Learned, 985 Memorial Drive, Cambridge, Mass., will become Charles E. Wilson Professor of Business Policy at the Harvard Business School 1 September. He succeeds Richard S. Meriam, who has held the professorship since it was established in 1950 by the General Electric Company in honor of Mr. Wilson who was completing 50 years continuous service with the company.

Professor Learned has served as Civilian Director of Training and Special Consultant to the CG of the Army Air Forces Statistical Control, Special Consultant to the CG, Army Air Forces, and Chief of the Office of Program Control, (later Program Monitoring.) Since 1945 he has been Special Consultant to the Air Force CofS.

Professor Learned is currently teaching in the Advanced Management Program, Punahou School, Honolulu.

Col. Minick Will Join National Security Agency

Col. Robinson Minick, 6970th Support Group Commander at Ft. Meade, Md., has assumed duties now with the National Security Agency there.

He is succeeded by Col. Richard C. Kugel, formerly a Plans and Program Officer with the Research Studies Institute at Maxwell AFB, Ala.

Colonel Kugel is married to the former Velma Jewell Smith of Orange Grove, Tex. and has a daughter, Julee Cecile, 18.

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West Coast Representative: Chris Dunkle & Associates, 740 South Western Ave., Los Angeles 5, DUckirk 7-6149; and 420 Market Street, San Francisco 11, SUtter 1-8854.

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Board Gets Word

From first page—

mand in all grades; and where such performance has been established, officers be evaluated for selection on this basis." Secretary Franke said.

"The lack of opportunity for performance in so-called deep draft and major combatant commands," Secretary Franke said, "should be considered in the light of other—and perhaps equally significant—indications of ability to command and of future promise."

Secretary Franke pointed out that Department of Defense Directive 1320.5 of 2 December 1959 establishes a requirement that all officers of the Unrestricted Line will serve a normal tour of duty with a Joint, Combined, Allied or OSD Staff before being considered qualified for promotion to general or flag officer rank.

But, the SecNav said, the board should make its selections on Service requirements and the "lack of joint staff service should not militate against the selection of an otherwise selectable candidate."

MEMO--

SECRETARY OF DEFENSE GATES will make known shortly his decision concerning a comprehensive "targeting" study conducted by the JCS. Core of the study has been a review of proposals made for coordination and control of strategic striking resources, notably SAC and the Navy Polaris submarines.

THE EXPECTATIONS ARE that Secretary Gates will not endorse a recommendation of General Thomas D. White, Air Force CofS, for creation of a Joint Strategic Command. Instead, the JCS talk has been centering on strengthening Joint Staff resources for coordination of all strategic systems. Under such a set-up, the JCS would provide SAC with assigned targets, and SAC would be given broad authority to carry out its mission on a day-to-day basis. Polaris submarines would be operated outside the command control of SAC, but their activities would be "supervised" closely by the JCS.

RADM. CHARLES C. KIRKPATRICK, who left the post 15 July, was Chief of Navy Information for a longer period of time than any predecessor. A USNA '31 graduate, he held the top information slot since December 1957. His new assignment is Commander Amphibious Group One.

NEW NAVY INFORMATION CHIEF is RAdm. Daniel F. Smith, Jr., USNA '32, who had been Assistant CNO (Fleet Operations). Admiral Kirkpatrick is a submariner; Admiral Smith is a naval aviator.

SENIOR SERVICE INFORMATION CHIEF in terms of Pentagon tenure is Maj. Gen. Arno Luehman, USAF. He has directed the Air Force information program since May 1957. Maj. Gen. William Q. Quinn is Chief of Army Information.

THE RIGHT OF CONFRONTATION IS ELIMINATED for Army and Air Force officers who are required to "show cause" under the new White Charger Act, if the Service Secretary decides that the withholding of any record is in the interest of national security. If records are withheld, the officer will, "to the extent that the national security permits," be furnished only with a summary of the material. The Pentagon urged adoption of this provision because it said positive language was necessary to contravene a ruling by the Supreme Court that defendants have the right to be confronted with charges made against them. If the Democrats should win the Presidency next November, this section of the White Charger Act may have to be re-written. The new Democratic Platform promises that the Party will work to provide "a full and fair hearing, including the right of confrontation, to any person whose public or private employment or reputation is jeopardized by a loyalty or security program."

THE NAVY'S QUIETEST SUBMARINE will be the hunter-killer Tulibee, launched earlier this year at Groton, Conn. Special soundproofing throughout the ship is designed to eliminate much of the noise which would interfere with her complex sonar gear.

DRUG PURCHASES OVERSEAS, now being made by the Defense Department, have spurred the Veterans Administration to consider similar procurement for its hospitals. Talks on the subject are being conducted between the VA purchasing representatives in Somerville, N. J., and RAdm. William L. Knickerbocker, SC, USN, Executive Director of the Military Medical Supply Agency in Brooklyn, N. Y. The VA buys its own drugs, but is seeking details of how to purchase from foreign sources from MMSA, the first government agency to make foreign drug purchases on a large scale.

IMMEDIATELY PRIOR TO THE CONGRESSIONAL RECESS for the political convention, the Senate approved a resolution urging longer periods of service by top Federal appointees. The resolution, sponsored by Senator Henry Jackson (D-Wash), an outgrowth of hearings held by the Senate Subcommittee on National Policy Machinery, underscored the fact that there have been seven Secretaries of Defense and nine Deputy Secretaries of Defense since those two officers were created—an average term of less than two years for the SecDef and less than 18 months for the Deputy SecDef.

FUTURE PRESIDENTIAL NOMINEES, under terms of the resolution, will be asked to assure Senate committees of their readiness and willingness to serve in office "so long as the President desires." Secretary Gates told the Jackson Subcommittee he thinks top officials "can only start to make a contribution after the first year." They should serve at least three or four years, he said.

SIX PENTAGON "OLD TIMERS" have served the Eisenhower Administration for at least six years. They include Secretary Gates, who has the longest tenure. He started out in the first year of the Administration (October 1953) as Under Secretary of the Navy, later became Navy Secretary, then Deputy SecDef, and finally SecDef. Army Under Secretary Hugh Milton ranks second. He began his Pentagon service in November 1953. The other four all reported in 1954. Assistant Secretary of Defense Frank B. Berry in January, Army Assistant Secretary George H. Roderick in February, Army Secretary Brucker in April, and Assistant SecDef Charles C. Finucane in August. All but Doctor Berry have served in at least two different jobs. Mr. Finucane left the Pentagon as Army Under Secretary, later returned as an Assistant SecDef.

IT IS BECOMING INCREASINGLY APPARENT that serious differences of opinion as to military manpower requirements exist between the Services and Assistant Secretary of Defense Charles C. Finucane. Pentagon "politics" being what they are, this dispute is not likely to be brought into the open, but certain facts cannot be denied.

THE PENTAGON DECISION TO ABANDON the Term Retention Bill for Reservists is the latest evidence of disagreement (see page 1). The Services have said the legislation is necessary to spur retention of junior officers, particularly those with critically needed skills. But Assistant Secretary Finucane has taken the position that the Armed Forces can get along without the measure, which previously had DoD support.

THE ROTC PROGRAM is another area where there is disagreement. Prodded by the Bureau of the Budget, Assistant Secretary Finucane has taken the position that cutbacks can be made in the freshman and sophomore strengths. The Army is arguing that such action will hurt National Defense. Congress undoubtedly will be called upon to settle this controversy.

IN THE MATTER OF RESPONSIBILITY PAY for officers, which was authorized by Congress, the Pentagon manpower chief had kept this in an "under study" status, and there is little prospect for early implementation. Some Service leaders have said that utilization of the Congressional authority would help ease manpower difficulties.

ARMED FORCES INFORMATION AND EDUCATION will get an Army Chief this fall with the reassignment of Brig. Gen. S. F. Giffin, USAF. The post, rotated among the Services, has been held by the Navy, Marine Corps and Air Force since March 1955. No new assignment has yet been announced for General Giffin, nor has his successor been named. In the past the Army has assigned a two-star officer to the post.

REGULAR NAVY MEDICAL OFFICER strength soon may be stabilized at about two-thirds of the total medical force. The percentage of Regulars, rising steadily since fiscal '57, is now about 60% of the total. Studies are underway in the Bureau of Medicine and Surgery to arrive at a means of stabilizing the Regular strength at about 66%. The Navy believes this percentage should give it a more "career type Medical Corps" and still provide for commissioning enough Reserve medical officers each year to maintain a trained nucleus of inactive officers in the event of mobilization.

MORE CRANBERRIES WILL BE SERVED in Army messhalls this year. During hearings on the fiscal '61 military budget, Senator Leverett Saltonstall (R-Mass) said he understood that the Army serves cranberries only four times a year. The Senator, who comes from a big cranberry-producing State, asked Secretary Wilber M. Brucker, "Should you not use them more than that?" The Secretary said he would furnish a report showing how often the Army serves cranberries. The report says the Army's master menu for troop feeding included 28 cranberry meals during calendar 1959 and will include 36 during the current calendar year.

ALL NAVY MEN WILL HAIL the action of Secretary William B. Franke in making known his views concerning procedures for selection of new rear admirals. The text of his communication to the board is published on Page 11. Officers in other Services are not given comparable background information on selections for star rank. The Navy, seeking to assure an "above board" reception of flag officer proceedings, makes known the members of the selection board—again, a policy not shared by all the other Services.

THE DAHLQUIST COMMITTEE, studying officer personnel management, could well recommend that all the Services make known as many details as possible concerning selection procedures. When this is done, morale is strengthened.

AN ARMY OLYMPIC GOLD MEDAL winner, Col. Frederick R. Weber retires this month as Special Services Chief at Ft. Bragg, N. C. He won the 1936 pentathlon in Berlin and was the leading U. S. scorer in the duelling sword competition as a member of the U. S. Fencing Team.

FEWER SIGNATURES WILL BE REQUIRED from Air Force purchasing officers when they use DD Form 1155 for buys of \$2,500 or less. Until now they have been required to execute pen and ink signatures on at least four reproductions of the completed forms. Now, says Comptroller General Joseph Campbell, they may sign only the original form and have the completed forms reproduced for all red-tape purposes.

THE PENTAGON GENERAL COUNSEL, in a report to Capitol Hill, has given his views on the Constitutionality of subjecting retired Reservists to courts-martial procedures of the Uniform Code of Military Justice. Under terms of the Hébert Officer Employment Bill, now pending before the Senate Armed Services Committee, retired Regulars could be court-martialed for taking sales jobs with defense contractors. After the Pentagon complained that the legislation should be made uniformly applicable to both Regulars and Reserves, Chairman Carl Vinson (D-Ga) of the House Armed Services Committee suggested that Reservists could also be brought under the courts-martial authority.

QUESTIONS WERE RAISED ABOUT THE CONSTITUTIONALITY of such a move. Chairman Richard B. Russell (D-Ga), Chairman of the Senate Committee asked the Pentagon to prepare a legal opinion. In reporting back to the Committee, the Defense Department General Counsel says it is his opinion that Title II retired Reservists could be subjected to courts-martial procedures, but Reservists retired under Title III could not.

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Navy Orders

From page 7—

Rathbun, Leon H. jr, NAV SUB SCOL SUBAS; NLON; to OFC OF ASSTDIR FOR NAVREACTORS DIV OF REACTORDEV AEC WASHDC DUINS.

Rives, Robert G, USS TICONDEROGA; to USNA, NNA.

Shields, John W, FAIRQUONSET; to NAV SUBAS; NLON.

Wagner, Adrian D, OIC CRUITSTA LITTLE ROCK; to USS YOSEMITE.

Wilson, Walter K, SERVLANT; to CO USS DENEBOLE.

Wilson, William R, NAVAIRLANT; to NA TECHTRAU NAS OLATHE.

Edgerton, Stuart T, jr, CO USS GURKE; to USS PRAIRIE.

Gray, William J, CARDIV 2; to NAVAN TRACOM NAS CORPC.

Houss, James O, jr, USS OBSERVATION ISLAND; to BALLISTIC MISSILE PROJ NAVORDTESTU LANTMISSILE RANGE PATRICK AFB COCOA.

Kittel, Irving A, CO NAVSTA MIDWAY IS; to AIRTRANSRON 7.

Sharp, Ben C, USS SHANGRI LA; to NAS ALAMEDA.

Stein, Howard J, OPNAV; to OFC OF AFFAIRS NAVDEPT.

Weymer, Weimer B, FAIRSANDIEGO; to CO HUTRON 1.

Adams, William L, NAVORDTESTSTA CHINA LAKE; to CARDIV 2.

Barton, Elbert M, jr, DESLANT TEM; to NROTCU UNIV OF IDAHO MOSCOW.

Eagan, Arnold W, OFC OF JAG NAVDEPT; to CRULANT.

McClendon, William R, USS BENNINGTON; to CARDIV 7.

Shinneman, John R, UTRON 5; to CO UT RON 5.

Stokes, Griffith P, OPNAV; to STAFF CINC PACFLT.

Wageneals, Stanley E, NAVPHIL; to BU WEPSREP ROCHESTER.

Agness, Robert J, USS HORNET; to CO USS MANSFIELD.

Cousins, John E, NATECHTRAU NAS PNCLA DUINS; to CO HEAVY PHOTO RON 62.

Dennehy, Roderick C, OPNAV; to OSD WASHDC.

Kiefer, Edwin H, COMLANSHIPRON 7; to NAVRESTRACOM OMAHA.

Lascara, Vincent A, OFC OF ASSTDIR FOR NAVREACTORS DIV OF REACTORDEV AEC WASHDC; to USS ENTERPRISE.

Bennubel, Lazar H, 6 ND; to OFC OF JAG NAVDEPT.

Erickson, Evelyn I, NAVSUBASE, NLON; to NAVSTA ARGENTIA.

Foltz, Ralph E, FITRON 121; to CO FITRON 141.

Gladding, Everett B, NSA FORT GEORGE G MEADE; to CHIEF NSA PEARL.

Mosauer, Maxine M, NAVHOSP KWEST; to NAVSUPACTY NAPLES.

Westervelt, John D, PHIBGRU 3; to FLE TRAGRU SDIEGO.

Four Choose New Homes After Lejeune Retirement

Four members of the 2d Marine Division's 2d Service Battalion have retired at Camp Lejeune, N. C.

They are LCdr. Theodore R. Hise, USN; CWO Charles B. Clark; Acting M/Sgt. Edgar F. Mitchell; and Gunnery Sgt. Leon A. Cleboski.

Commander Hise and his wife, the former Rita P. Martin of Dekalb, Miss., have three sons, twins Theodore and Richard, 22, and Terry, 17. They will reside at Surf City, N. C.

CWO Clark is married to the former Miss Carolyn Whitaker of Lakeland, Fla. They have one daughter, Sandra L., 16, and will reside in Jacksonville, N. C.

Sergeant Mitchell and his wife, the former Miss Grace M. Groves of Marietta, Ohio have four children, Sandra, 10; Mary, 9; Harry, 4; and Joseph, four months. They will reside in New Port Richey, Fla.

Gunnery Sergeant Cleboski who spent nearly four years as a POW in the Pacific during WWII, plans to enter business in Houston, Tex.

LIEUTENANT COMMANDER

Hughes, Lowell T, USS LUZON; to USS MARKAB.

Hunter, Russell E, NAVPHIBSCOL CORONADO SDIEGO; to BUMED.

Miller, Harry L, NAVADMIN SAIPAN DIST SAIPAN; to OFC OF INSMAT TIFRAN.

Ottie, Frederick O, NAVDISP NAVDEPT; to NAVHOSP JAX.

Papp, Ginzella, NAV ADMIN COM NTC GLAKES; to INDIANA UNIV BLOOMINGTON DUINS.

Ragland, Roy J, MINLANT; to CO USS CONFLICT.

Brownstein, Dora, NAVHOSP GLAKES; to NAS GLEN.

Capt. Cook Gets Added Duty At Newport Base

Capt. Charles O. Cook, jr., CofS to RAdm. Benjamin E. Moore, Commander Newport Naval Base, has assumed the additional duty of Newport Naval Station Commanding Officer.

He relieved Capt. George D. Gregor, USN-Ret.

Captain Cook, USNA '31, will be Commanding Officer until the arrival in August of Capt. James D. Collett, Commander Amphibious Squadron Two in Norfolk.

Captain and Mrs. Cook, the former Margaret Hammond, daughter of the late Capt. P. H. Hammond, USN, of Alabama, have three daughters and a son. Peggy, 20; Mary, 14; Catherine, 4; and Charles, 15 years.

Cronin, Francis J, HUTRON 2; to NATORPU NAS QUONPT.

Eagan, Bryan R, HELANTISUBRON 7; to HELANTISUBRON 10.

Hampton, Harold W, PATRON 47; to PATRON 31.

Beaman, Percy S, OPNAV; to USS JONAS INGRAM.

Bodnar, Andrew J, USS BON HOMME RICHARD; to NAVAIRPAC.

Boyer, Paul M, NAS ATLANTA MARIETTA; to STAFF CNARESTRA AT NAS NEW YORK FLOYD BENNETT FLD BKLYN.

Chase, Eugene C, NAS WHIDBEY IS OAK HARBOR; to FLETACSUPPRON 21 ALAMEDA DET.

Darling, Richard B, FLETRACEN NORVA; to NAVCOMMSTA SAN JUAN.

Fransen, Arnold J, AIRTRANSRON 3; to MATS SCOTT AFB.

Fry, John C, SCRIPPS INSTITUTE OF OCEANOGRAPHY LA JOLLA DUINS; to DESFLOT 3.

Gavett, Theodore C, CRUDESAPAC; to PHIBRON 5.

Gilles, Donald A, BUWEPS; to AIRANTI SUBRON 32.

Haley, James V, REP OF THE MGR SCHEDULED NAVREACTORS OPOFC AEC COMBUSTION ENGR INC NAVREACTOR DEV WINDSOR; to REP OF THE MGR PITTSBURG NAVREACTORS OPOFC AEC ELECOBATDVI GENDYNAMICS CORP GROTON.

Temple, Walter N, CARDIV 18; to OPNAV.

Thomas, Kenneth G, OFC OF SUPSHIP IN-GALLS SHIPBLDG CORP PASCAGOULA; to NYNAVSHIPYD.

Wallace, Kenneth R, UNIV OF MISSISSIPPI UNIVERSITY MISS DUINS; to NABATRA COM NAS PNCLA.

White, John D, CHASNAVSHIPYD; to NAV AIRLANT.

Holton, George S, MATS SCOTT AFB; to NAS JAX.

Horobetz, Francis E, PHIBTRAPAC; to CLARKSVILLE BASE CLARKSVILLE.

Keller, Thomas D, PHIBLANT; to CARAEW-RON 33.

Lively, Harvey L, jr, TRARON 31 to FLE TACSUPPRON 21 ALAMEDA DET.

McCann, Carl J, PHIBPAC; to USS HENRY W TUCKER.

Mereness, Lyman T, USS ORISKANY; to NAS CECIL FLD.

Nickel, Walter F, PHIBGRU1; to UTRON 1.

Parks, Melba R, NAVCOMMSTA GUAM; to NARESTRACOM NAS GLEN.

Pierozzi, Constantino N, FASRON 3; to NAV WARCOL NPT DUINS.

Phillips, Kenneth E, NAREPFAC NAVSTA SDIEGO; to CRUDESAPAC.

Poor, John L, USS SIERRA; to MCAS CHERPT.

Reiff, Glenn A, FAIRWHIDBEY; to CARDIV 17.

Stiles, Robert G, NAA WHIDBEY IS OAK HARBOR; to UNIV OF WASHINGTON SEATTLE DUINS.

Koval, Francis P, TRARON ONE NAAS SAUFLEY FLD PNCLA; to NAVSEC MAAG JAPAN TOKYO.

Larson, Conrad S, NAS SO WEYMOUTH; to PROG AIREWORK REP STAFF CNA RESTRA AT NAS QUONPT.

Laffer, Luther, FLETRAGU SDIEGO; to PHIBRON 3.

Lemmon, Donald D, NAVSTA NRLNS; to CO USS EXCEL.

Lizotte, Wesley E, NAS ALAMEDA; to AEWBARONPAC.

Lyons, Kenneth H, 2 FLT; to ATKRON 75.

McCall, Robert E, NATESTCEN PAXRIV; to CARAIRGRU 3.

Melsenheimer, John L, ASST ALUSNA MEXICO CITY; to AIRANTISUBRON 23.

Monahan, Ann R, NAVHOSP CHELSEA; to NAVHOSP PORTSMOUTH N H.

Phillips, Robert B, UNIV OF KANSAS LAWRENCE DUINS; to FITRON 124.

Richter, Harold E, AEWRON 2; to NAV ANTRACOM NAS CORPC TEM.

Ruppert, Margaret R, INDIANA UNIV BLOOMINGTON DUINS; to NAVHOSP OAKLAND.

Scripp, John L, III, USNAVEUR; to USS ANTARES.

Thurnau, June R, UNIV OF COLORADO BOULDER DUINS; to NAVHOSP PORTSMOUTH VA.

Wilson, Walter O, OIC USS HAVEN; to NRL WASHDC.

Woodworth, Charles M, HATRON 6; to USS MIDWAY.

Breen, Charles E, jr, NOP SOUTH CHARLESTON; to NTC SDIEGO.

Bridges, Jack H, INSMAT (PET PRODUCTS) ST NICHOLAS ARUBA NETHERLANDS; to BUSHIPS.

Chester, Francis J, USS MAGOFFIN; to GENSTOSUPOFC PHILA.

Army Navy Air Force Journal 13
16 July 1960 (Vol. 97, P. 1335)

Christensen, Donald W, CRUDESAPAC; to PHILANAVSHIPYD.

Clement, Robert R, OPNAV; to USS FORREST SHERMAN.

Crosby, Nancy J, UNIV OF PENNSYLVANIA PHILA DUINS; to NAVHOSP NATNAV MED CEN BETHESDA.

Dixon, Billie, FLETACTSUPPRON 24; to AIRTRANSRON 3.

ARCTIC ADVISOR

Capt. Earland E. Hedblom, MC, USN, has been appointed a medical consultant to the Arctic Institute of North America.

He is Head of the Department of Cold Weather Medicine at the Naval Medical School, Bethesda, Md. He is also Medical Advisor to OPERATION DEEP FREEZE, Cold Weather Medicine Advisor to the Commandant, U. S. Marine Corps and Navy member of the National Board for Promotion of Rifle Practice.

He resides at 7806 Aberdeen Rd., Bethesda, Md., with his wife, the former Ruby Kysar of Denver, and their two children, Karen, 18, and Erland, 13.

Erickson, Evelyn E, NAS GLEN; to NAV HOSP GLAKES.

Foard, John S, USS SAN PABLO; to CO NAVRESTRACEN HOU.

Foltz, Robert L, USS GREENWICH BAY; to NAS NORVA.

Gottshall, William H, OFC OF LEGAFFAIRS NAVDEPT; to SECOND MARDIV FMF.

—Continued on next page

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Navy Orders

From preceding page—

Helm, Walter A. jr, COMINDIV 85; to SERVSCOLCOM NTC BAIN.
 Jones, Eva D. NAVHOSP CAMLEJ; to OHIO STATE UNIV COLUMBUS DUINS.
 Kennedy, Herbert S. BUWEPES; to CAR AEWFRON 12.
 Berry, Henry M. USS FOREST SHERMAN; to CO USS YORK COUNTY.
 Boyes, Gordon R. DESFLOT 1; to TRAPAC.
 Breen, Thomas J. NROTCU COLUMBIA UNIV NYK; to MSTSLANTAREA.
 Craven, Phillip R. USS RANDOLPH; to CARAIRGRU 6.
 Davis, Luna A. CO NAVRESTRACEN CAPE GIRARDEAU; to SERVPAC.
 Demmler, Charles F. FITRON 92; to FITRON 121.
 Dombeck, Margaret L. NAVHOSP CORPC; to NAVHOSP NAVBASE BREM.
 Grischy, John S. USS CAPRICORNUS; to OPNAV.
 Helmer, Dale P. NAVRESTRACEN NTC SDIEGO; to DESRON 5.
 Johnson, Theodore R. jr, BUPERS; to DESFLOT 3 TEM.
 Mak, Helen. NAVHOSP ST ALBANS LI; to NAVHOSP OAK.
 Morgan, Daniel. CALIFORNIA MARITIME ACADEMY VALLEJO; to USS ASHTABULA.
 Myers, Isabel M. NAVHOSP CAMPEN; to NAVHOSP YOKOSUKA.
 Armistead, Reginald G. NARESTRACOM NAS GLEN; to FAIRQUONSET.
 Brady, Eleanor M. INDIANA UNIV BLOOMINGTON DUINS; to NAVHOSPCORSOL NAVHOSP GLAKES.
 Norville, Robert W. USS ALDEBARAN; to NAVBEACHGRU 2.
 Paletti, Arthur V. PHIBCB NR 2; to BSNVSHIPYD.
 Parnell, James M. BUPERS; to JSTAFF US CINCEUR.
 Peck, Scott E. jr, NAF CHINA LAKE; to 17 ND.
 Poteet, Alonzo M. jr, SUBRON 6; to CO USS REDFIN.
 Price, Richard M. CARDIV 15; to NAVCOMMSTA PEARL HARBOR HAWAII.
 Radcliffe, Robert J. USS GRAPPLE; to USS ESSEX.
 Sherman, Hildreth G. NAVAIRPAC; to OFC OF BUWEPSPREP NAVINDRES AIR PLANT DAL.
 Stevenson, Fred A. MSTs WASHDC; to USS GRAND CANYON.

CARAIRGRU 6.
 Sullivan, Russell H. jr, USS MAURY; to NAVHYDROFC SUITLAND.
 Swanson, Ardis C. NAVHOSP CAMPEN; to NAVHOSP SDIEGO.
 Topliss, Samuel K. AEWBARONPAC; to NAS OLATHE.
 Troupe, James E. NAAS KINGSVILLE; to FLETCACSUPPRON 21. JAPAN DET.
 Turchi, Giuseppe. SERVON 6; to NAVMED SCOL NATNAVMEDECEN BETHESDA.

VAdm. Yeager Leads Amphibious Force

VAdm. Howard A. Yeager has relieved VAdm. John Sylvester as Pacific Fleet Amphibious Force Commander at Coronado, Calif.

Admiral Sylvester, will become Deputy CNO (Logistics) in the Pentagon.
 Admiral Yeager reported from a tour as Anti-Submarine Warfare Readiness Executive, Office of the CNO.

Col. Ryan Commands Recruit Regiment

Col. Michael P. Ryan has replaced Col. William K. Jones as Recruit Training Regiment Commanding Officer at the Marine Corps Recruit Depot, Parris Island, S. C.

Colonel Ryan who holds the Navy Cross and the British Navy Distinguished Service Cross for action at Tarawa, formerly served as Head of Plans, Policies and Budget Branch, G-1 Division, Headquarters Marine Corps.

Mrs. Ryan is the former Marjorie E. Allen. They have three children, Michael, 17, Allen, 14, and Theresa, 13.

Colonel Ryan's sister, Mary Ryan, served as an Army Nurse during WW II in North Africa, Italy and France. She was attached to a field hospital during the Anzio and Southern France landings, and received the Silver Star for action at Anzio during a German bombing attack.

Colonel Jones is slated to attend the Naval War College in Newport, R. I.

U. S. MARINE CORPS ORDERS

Commandant—General David M. Shoup
 Assistant Commandant—Lt. Gen. John C. Munn
 Chief of Staff—Lt. Gen. Wallace M. Greene, jr.

MAJ GENERAL

McAllister, Francis M. is ret. 1 Jul.

BRIG GENERAL

Shell, George R E. to temp disab ret list. 1 Jul.
 Pugh, Edward L. trf fr temp disab ret list to perm ret list 1 Jul.

LT COLONEL

Buford, Ernest A. jr. Air FMFPac, to Long Beach State College. Long Beach, Calif.
 Hilton, Kenneth N. 3d MarDiv, to MCSB Barstow, Calif.
 Williams, Walter L. Pt Lyautey, to MCS, Quant.

To HqMC

Quint, Frederick A. Philadelphia.
 Krumm, George A. MCS, Quant.
 Patton, Harvey M. 2d MAW.
 Gross, Leo V R. 5th MCRRD.
 To Municipal Univ of Omaha, Omaha, Nebr
 Frankovic, Boris J. 3d MAW.
 Hubbard, Jay W. NAS, Mfs.
 Martin, Benjamin G. 2d MAW.
 Ross, John D. Ft Mugu, Calif.

To Oklahoma State Univ, Stillwater, Okla

From MSC, Quant:

Terry, Wilson C Warren, Stephen G

To San Diego State College, Calif

Kelly, Philip W. 3d MAW.

McCombs, Grant W. 1st Mar Div.

To Univ of Maryland, College Park

From HqMC:

Brant, Robert E Bruce, Henry K

Freeman, Ernest P, jr

MAJOR

Alexander, Richard D. 2d Mar Div, to CO NAS, Lakehurst, NJ.

Denny, Rex C. Jr. 3d MAW, to Southeastern State College, Durant, Okla.

Veach, Howard C. 2d MAW, to High Point College, High Point, NC.

Bortz, William H. jr, El Toro, Calif, to Chapman College, Orange, Calif.

Lawrence, Randall T. HqMC, to Valparaiso, Chile.

Brown, William P. 2d MAW, to 1st MAW.

Doherty, John J. MCS, Quant, to Oklahoma State Univ, Stillwater.

Dresbach, Earl C. jr, Philadelphia, to HqMC.

Woods, Laurence H. 2d Mar Div, to Quarry Heights, CZ.

Armogost, William I. NAS Nrins, to MAR TD

MarTC, NAS, Jax.

Burnham, Phillip R. NAS, Jax, to MCAS, El Toro.

Settle, Ray W. Palestine, to AFSC, NorVa.

To Univ of Maryland, College Park

Bauman, George F. 2d MAW.

Kellogg, Wilbur C. jr, HqMC.

To Geo Washington Univ, Wash, DC

Coleman, Thomas A. 3d MAW.

Davis, Oliver R. MCS, Quant.

Roark, Walter N. AirFMFLant.

To Univ of Omaha, Omaha, Nebr

Browne, John, NorVa.

Dake, Merlin L. 3d MAW.

Foss, Donald H. MCS, Quant.

CAPTAIN

Amundsen, Edwin A. FMFPac, to MB US

FleACTY, Yokosuka, Japan.

Brewster, Albert E. jr, 3d MAW, to 1st MAW.

Knight, Charles W. 2d MAW, to MAG-26.

B/G Riley To Okinawa

Brig. Gen. Thomas F. Riley, Assistant Commander of the 1st Marine Division, Camp Pendleton, Calif., will succeed Brig. Gen. Raymond L. Murray this month as Assistant Commander of the 3d Marine Division on Okinawa.

General Murray will report to the Marine Corps Base, Camp Pendleton. General Riley's successor has not yet been named.

Justice, Harold E. MCB CamLej, to Off of Ch NavSec MAAG, Tsoying, Taiwan.

Sharpe, Whitlock N. 2d MAW, to Univ of Calif, Berkeley.

Isbill, James B. jr, S Diego, to MarCor Ltn.

Litton Industries, Canoga, Calif.

Keast, Donald G. 3d MAW, to 1st Mar Div.

Munson, James D. MCS, Quant, to SUSMOP.

Wrenn, Jenny, 1st MCRRD, to HqMC.

Starnes, Cullen G. jr, 1st MAW, to CNV.

ANTRA NAS, CorpC.

Bailey, Richard A. 1st MAW, to 2d MAW.

Latall, Raymond P. 1st Mar Brig, to Nav

Intel Scol NS Wash, DC.

Votaw, Edward F. 1st Mar Div, to MCB Cam

Pen.

Willis, Joe E. 1st MAW, to NavPhibScol.

Creek NavPhib Base, NorVa.

Black, John G. MCS, Quant, to Pt Lyautey,

Kenitra, Morocco.

Rozinski, Francis X. Willow Grove, Pa. to

MCAS, CherPt.

To MAD NABTC NAS, Pacla

Jerett, Frederick R. 2d MAW.

From 1st MAW:

Henry, Howard B Zimmerman, Karl A

To 2d Mar Div

Glazer, August A. Wash, DC.

Eckmann, Ronald P. 3d MAW.

To 3d Mar Div

From MSC, Quant:

Gubany, Michael W Smith, Robert H

Wynn, Neal B

To 3d MAW

Moore, Jacob W. Hickory, NC.

Plummer, James R. 2d MAW.

To MCS, Quant

Bethel, William F. Portsmouth, Va.

Kittler, Simon J. 2d MAW.

From 1st MAW:

Robinet, Henry M.

Townsend, Kyle W.

Stoddard, William D. 3d.

1ST LIEUTENANT

Parks, Hugh L. 3d, 1st Mar Div, to USS

Rochester.

White, James D. 3d Mar Div, to 1st Mar Div.

Browne, Randolph M. 3d, 1st Mar Div, to

OffSELOFF, Wash, DC.

Ohman, James H. 2d Mar Div, to USS

Chilton.

Beery, Richard L. USS Chilton, to FMFLant.

Compton, James L. USS Los Angeles, to

MCRDEP S Diego.

Greene, Peter A. 3d Mar Div, to ForTps

FMFLant.

Plott, Curtis E. 1st Mar Div, to MCRDEP S

Diego.

Vasconcelow, Raymond K. CorpC, to 1st

Mar Brig.

Broad, Robert O. jr, 5th MCRRD, to HqMC.

Caylor, David A. 1st MAW, to 3d MAW.

—Continued on page 24

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Army Orders

From page 5—

INFANTRY—

Colonel

Pray, John I, Ft Lee, to USA ADGRU Korea Yongson.
Bryant, Randall H, Ft Bragg, to USA Elm MAAG, Vietnam, Saigon.
Hamble, Louis F, Wash, DC, to Fifth USA Stu Det, Chicago, w/sta Univ of Wisconsin, Madison.

Lt Colonel

Negron, Rafael, Boston, to Stu Det USA Elm AFSC, Norfolk, w/sta Spanish Staff College, Madrid.
Goodwin, William R, Ft Meade, to USARAL, Simmet, Kenneth D, Wash, DC, to USA Fld Det "O" OACSI, w/sta Canberra, Australia.
Edgerton, Eric R, Raleigh, NC, to France.

Major

Smith, Raymond C, Ft Meade, to Hawaii.
Dickson, William A, Petersburg, Fla, to USA ADGRU Conn, Hartford, w/sta Manchester, Conn.
Williams, William R, Ft Riley, to Germany.

To Korea

Ackerman, Henry P, Ft Ord.
Wilson, Planter M, Ft Sill.
Wallace, William C, Ft Meade.

Captain

Walz, Charles, Ft Lewis, to USA ROTC Instr Gp, Columbus, O, w/sta Univ of Toledo, Ohio.
Adams, Raymond J, Ft Meade, Md, to Hq US ASA Pac, Helemano, Oahu, Hawaii.
Coninger, Adrian S, Quetta, Pakistan, to USA Sp Sec Det OACSI USA, w/sta Paris, France.
Roughen, Albert H, Ft Rucker, to Korea.
McChesney, Frank L, Ft Bragg, to Hawaii.
Massengill, Wilton R, Ft McPherson, to Turkey.

From Ft Benning to Sta Indicated

Sheehan, Edward F, USARAL.
Cram, George D, Jr, USA ROTC Instr Gp, Univ of Vermont, Burlington (VIII USA Corps).
Ditts, Andrew S, USA ROTC Instr Gp, Rutgers, the State Univ, New Brunswick, NJ.
Prazenka, Stephen, USASETAF.
Yoder, Harry A, Jr, USA ROTC Instr Gp, Columbus, Ohio, w/sta Det L Ohio State Univ, Columbus, O.
Cooler, Darrel L, USA Instr Gp, Tenn w/sta Sewanee Mil Acad, Sewanee, Tenn.
Haley, James F, USA Instr Unit Cen Catholic High Sch, San Antonio.

WWII Commanders Meet At Ft. Sam



THREE famed WWII commanders met recently at Ft. Sam Houston, Tex. Left to right are General Walter Krueger, who commanded the Sixth Army in the South Pacific; Lt. Gen. Clarence R. Huebner, who commanded the First Division in Europe; and General Courtney H. Hodges, Commander of the First Army in Europe. General Huebner was at Ft. Sam to speak before the Army Medical Service School's students in Management of Mass Casualties, on "Civil Defense." He is Director of Civil Defense in the State of New York.

Kirpatrick, James S, Fifth USA Instr Gp, Det 13, Indianapolis High Sch, Indianapolis, Ind.
Rhoads, Mark C, Det 23 USA Instr Gp, Salt Lake City, Utah.
Shelton, Henry R, USA ROTC Instr Gp, Columbus O, w/sta Det 2 Ohio Univ, Athens, Ohio.
Williams, Davant T, Det 10 USA Instr Gp, w/sta Stanford Univ, Palo Alto.

To Germany

Bogert, George E, Ft Bliss.
Cullen, Patrick, Detroit.
McLean, Charles P, Ft Carson.
Potter, Cecil V, Seattle.
Russell, David C, Ft Dix.
Willoughby, William G, Ft Benning.
Redder, John A, Ft Ord.
O'Dell, Virgil L, Jr, Ft Rucker.
Decostanzo, Nicholas C, Ft Dix.

1st Lieutenant

Barrett, Jonathan R, Ft Benning, to Germany.

ARMOR—

Colonel

Schroeder, Edgar W, Wash, DC, to OUSARMA Am Emb, Montevideo, Uruguay.

Lt Colonel

Russell, Peter T, Carlisle Bks, to Hq & Hq Co, USALS, Presidio of Monterey, Calif.
Uttinger, Joe W, Ft Knox, to USA Elm MAAG Vietnam, Saigon.
Whitham, Keith W, Baltimore, to Stu Det Hq & Hq Co, USALS, Presidio of Monterey.

1st Lieutenant

Jutilla, Donald D, Ft Lewis, to Korea.

Col. Waterman To Korea

Headed for duty as 7th Logistical Command CofS in Korea is Col. Bernard S. Waterman, Commandant of the Army Logistics Management Center at Ft. Lee, Va. Before taking command of the school in 1957, Colonel Waterman served for one year as Deputy Commandant.

Capt. Wilson Gets USMA Post

Capt. R. M. Wilson has received the Army Commendation Medal with First Oak Leaf Cluster for distinguished performance as Assistant Executive, Office of the Chief of Army Engineers.

Lt. Gen. E. C. Itschner, Chief of Engineers, presented the medal to Captain Wilson, who assumed new duties as Instructor of Mechanics of the U. S. Military Academy.

2d Lieutenant

Ivey, Herman V, Ft Meade, to Germany.

ARTILLERY—

Colonel

Daly, John H, Ft Bragg, to Hq 52d Arty Bde, Highlands AF Sta, NJ.
Moon, Gordon A, 2d, Ft Monroe, to Hq Fifth USA Stu Det, Chicago, w/sta Univ of Wisconsin, Madison.
Creel, George R, Wash, DC, to Hq USA, Presidio of San Francisco.
Smith, Selwyn D, Jr, Carlisle Bks, Pa, to Heidelberg.

Lt Colonel

Mulcahy, James P, Wash, DC, to Stu Det Sixth USA, Presidio of SF, w/sta Stanford Univ, Stanford, Calif.
Harvey, William T, Plainville, Conn, to Off Stu Det Hq & Hq Co, USALS, Presidio of Monterey, Calif.

Major

Munson, James A, Wash, DC, to OUSARMA American Emb, Buenos Aires, Argentina.
Forteau, Maxwell B, Army Cml Cen, to USA ROTC Instr Gp, Columbus, O, w/sta Det 12, Cen State College, Wilberforce, Ohio.
Gillen, Charles R, Ft Riley, to Germany.

—Continued on page 18



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Preserve Independence Through Strength, General Twining Declares

(The following is the text of an important address—surprisingly it received relatively little national attention—which was delivered 4 July by General Nathan F. Twining, JCS Chairman, at the dedication of a memorial park in his honor in his home town of Monroe, Wisc.)

It is indeed a privilege to be present at the dedication of the F-86 monument and the Twining Park. The F-86 has been one of the greatest combat planes ever built. This was our first sweptwing fighter and we were fortunate that we had it in the hands of our Air Force when the Korean War broke out. The F-86F gained its place in aviation history by the 14 to 1 kill ratio its pilots established over the Communist flyers in Korea. This plane is still in active service around the world in the hands of our air defense units and our allies.

F-86 Is Symbol

We should think today of the fighting F-86 as a symbol of our determination to preserve the Independence we honor on this 4th of July. The maintenance of our Independence is not going to be an easy job in the fateful years ahead. If the Summit failure accomplished nothing else, it did prove conclusively that the goal of world communism has not altered. Khrushchev has boasted he will bury the democracies of the Free World. The militant power of world communism has recently been demonstrated by events in Japan and Cuba.

Why, then, do the Soviets continue to talk of peaceful co-existence? Because of the strength of our retaliatory forces, the Soviet leaders know they cannot win a general war with the West at this time. An all-out arms race with the industrial might of the United States and her allies would only result in increasing the military superiority of the West and jeopardizing the success of the Soviet ideological and economic offensives.

USSR Master Strategy

The master military strategy of the USSR becomes, then, the reduction or elimination of the global nuclear power of the United States accompanied by the elimination of our forward bases. This Soviet strategy is particularly dangerous because too many of our people today are more concerned with economic security from the cradle to the grave than they are with the real requirement to make the sacrifices necessary to maintain freedom.

Too many public officials are concerned with their own mistaken version of what the public wants to such an extent that they would avoid unpopular but necessary decisions or courses of action. Too many people would like to sweep the whole problem of advancing military technology under the rug.

As you know, the Soviets have walked out of the disarmament talks in hopes that the resultant pressure of world opinion will cause us to agree to their terms. It is my serious conviction that the free world cannot survive on the basis of being first in a worldwide popularity contest.

Death Knell

If the West should ever be foolish enough to agree to the Soviet general and complete disarmament plan or any of the several Soviet partial disarmament proposals without insisting on prior agreement on adequate controls, inspections, and enforcement, we would be sounding the death knell of the Free World.

In the first place we would be accepting psychological defeat, in a basic strategic sense, by admitting that we no longer had the moral courage or desire required for survival.

Secondly, the resultant successes of their ideological, economic and military offensives would permit the Soviets to replace our passive strategy of con-

tainment with theirs of aggressive expansion. In short, we would be ripe, psychologically and militarily, for Soviet blackmail or attack.

Appeasement Danger

Accordingly, we must never lose sight of two important considerations in this connection. First, we must negotiate only from strength. We should insure that we negotiate from superiority—equality is not enough. We cannot permit ill-advised pressures for appease-

ment to reduce our defense efforts. You may be sure the Sino-Soviet Bloc is accelerating its buildup of decisive economic and military power.

Secondly, we should not be cajoled by the Soviets or anyone else into international agreements that are not clearly in the national interest of ourselves and our Allies.

No Cost Too High

It is against our national character to engage in preventive war but we

must insure by word and action that our enemies and allies alike are convinced that this nation will react to aggression with sure, prompt and measured armed force. Admittedly, the cost of an adequate military posture comes high. But there is no cost too high to pay in order to maintain our heritage of freedom. On this 4th of July let us rededicate ourselves to the preservation of our hard won Independence—Independence founded on freedom through strength.

TEMCO

DEDICATED TO A

PENETRATION AIDS MIX

...THE KEY

TO HIGH TARGET KILL

Post With Atomic Unit

Col. Claude E. Putnam, USAF, and his family have arrived at Sandia Base where he assumed duties as Field Command Inspector General.

Colonel and Mrs. Putnam and their five daughters, aged 8 to 19, now reside at 1836 18th Loop, Sandia Base, N. M.

He formerly was on duty at the Air University, Maxwell AFB, Ala.

Col. Putnam replaces Col. Thomas Noonan, USAF, who reports to the Chief, Defense Atomic Support Agency Office as Inspector General.

Navy Has Officer Shortage; Retention Rate Causes Concern

From first page—

than half the minimum reenlistment rate that is required to assure combat effectiveness.

Latest figures show that the Navy is short 4402 lieutenants and 2285 lieutenants (jg) and ensigns.

The Navy is unable to fill its requirements for aviation training.

Navy personnel officials say that something must be done immediately to reverse current trends or combat capability will be hurt.

One solution advocated by senior Navy

officials is increased pay for the first three officer grades, whose income is not competitive with civilian organizations.

They point out that the average starting salary for engineering graduates this year is over \$6,000, with speedy pay advancement in promise.

Another partial solution to manpower problems, Navy officials say, would be the full implementation of enlisted proficiency pay. This is now limited by the Budget Bureau and Defense Department to a maximum of \$60 per month.

Congress has authorized up to \$90 per month.

A third measure which has been proposed is to give added status to critically needed technicians. Navy officials have suggested the establishment of warrant officer ratings for such personnel, despite the fact that the Navy has decided to abandon its warrant officer program.

Navy officials told THE JOURNAL that the current shortage of junior officers and technically skilled enlisted men cannot be overemphasized.

They say that these shortages will have an increasing effect as more complex weapons systems, such as the Polaris submarines and the newer, highly complicated surface ships, are brought into service.

USMA Has Opening In Earth-Space Dept.

Due to the impending retirement of the Head of the Department of Earth, Space and Graphic Sciences (formerly Military Topography and Graphics), U.S. Military Academy, a committee has been appointed by the Superintendent to recommend an individual for appointment to the Professor vacancy.

The committee desires to receive application from those who are interested in the position.

The Department of Earth, Space and Graphic Sciences teaches two standard required cadet courses—Engineering Fundamentals 101-102 divided into a 2 credit hour subcourse "Earth and Space Measurements" and a 4 credit hour subcourse "Engineering Drawing, Descriptive Geometry and Graphical Mathematics"; and Environment 101-102 divided into a 2 credit hour subcourse "Physical Geography, a 2½ credit hour subcourse "Descriptive Astronomy and Space Orientation," and a 2½ credit hour subcourse "World Geography."

It is desirable that applicants have a graduate degree in one of the departmental areas, a desire for further graduate study, undergraduate teaching experience and general military service.

Address inquiries or applications to the Superintendent, United States Military Academy, West Point, N. Y.

Col. Bishop Leaves BMC For Andrews

Col. Samuel Worth Bishop has been assigned to duty with Headquarters Air Research and Development Command, Andrews AFB, Md., where he will serve as Deputy Chief of Staff/Materiel.

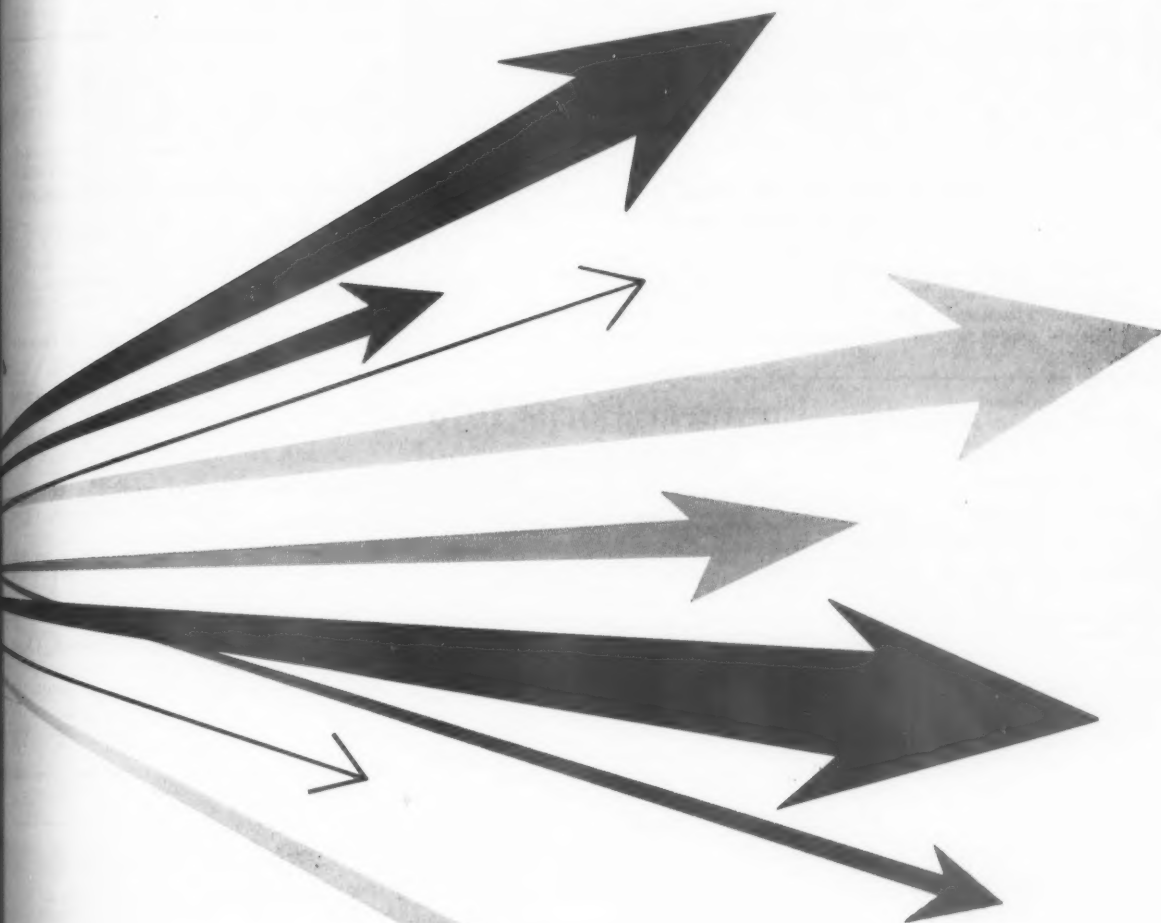
Colonel Bishop was assigned to the AMC Ballistic Missiles Center at Inglewood, Calif., in July of 1956. While with BMC, the Air Force agency responsible for procurement, production and logistic support of the missile and space programs, he served as Director of Procurement and Production.

Colonel and Mrs. Bishop, the former Rebecca Stone of Roanoke, Va., with their daughter Rebecca and sons Sam, Jr., Conrad, and David, will be stationed at Andrews AFB. They formerly resided in Hermosa Beach, Calif.

Col. Jepson Heads For Industrial Div.

Col. Hans G. Jepson, Commanding Officer of the Army's New York Ordnance District will become Deputy Chief of the Industrial Division in the Office of the Chief of Ordnance.

He assumed command of the New York District in November 1957 after a tour of duty as Ordnance Officer of I Corps in Korea. He had previously commanded the San Francisco Ordnance District. Colonel Jepson is a graduate of the Army Command and General Staff College and the Industrial College of the Armed Forces.



As the world's weapons systems increase in sophistication, no one weapon in America's arsenal of defense can "do it all." Among our strategic attack forces, there is a strongly growing philosophy that a proper mix of penetration aids is our only adequate answer. Temco is firmly dedicated to this philosophy. ■ Engineers and scientists in Temco's Missiles & Aircraft Division have made their own studies in depth on the probabilities of a penetration aids mix. They have mathematically proved its high increase in effective kill. Their answer to the argument about the multiplicity of support problems attendant to this mix is this: the pay off is so fantastically big, it is the only answer. ■ As a leader in the development and production of penetration aids, Temco has long been an active supplier to the Department of Defense. Two of its major products are the Corvus penetration missile and a video correlator — products vital to the mix.

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Army Orders

From page 15—

1st Lieutenant

Smith, Laurence D, Redstone Arsenal, Ala, to USA Air Def Cn, Ft Bliss.
Whiddon, Orren B, Ft Sill, to USASSETAF.
McCluskey, William J, Ft Rucker, to 3d Armd Cav Regt, Ft Meade.
Deacon, Reynolds J, Ft Bliss, to Stu Det USA Ord Sch, Aberdeen Pr Gr, Md.
James, William N, Duluth, Minn, to USA Elm USMTMSA, Riyadh, Saudi Arabia.

To XVIII Abn Corps, Ft Bragg

From Ft Rucker:
Herron, Roy H Olds, Warren T, Jr

To 4th Inf Div, Ft Lewis

From Ft Rucker:
Kutzner, Robert A Mills, Richard L

To Germany

Stevenson, Rufus N, Ft Bliss.
Jones, Robert S, Ft Bragg.
Meyer, Conan G, Brookhaven.
Kummer, James W, Ft Benning.

2d Lieutenant

Person, James L, Ft Rucker, to XVIII Abn Corps, Ft Bragg.

To 1st AI Det (Div) Ft Riley

From Ft Carson:
Lischke, John G (AI) Sloan, Sam R (AI)

CORPS OF ENGINEERS—

1st Gen Emerson C Itchner, C of E
Major

Madison, James G, Jr, Cp Breckinridge, Ky, to Hawaii.

Captain

Hoffman, Harry C, 3d, Monterey, Calif, to USA Elm USMTMSA, Riyadh, Saudi Arabia.

1st Lieutenant

To Korea

Martin, Joseph E, Ft Ord.
Bunker, Robert M, Ft Bragg.

2d Lieutenant

Arndt, Gary L, Ft Knox, to Germany.
Ferrari, Robert G, Ft Meade, to USASSETAF.

SIGNAL CORPS—

Maj Gen Ralph T Nelson, C Sig O
Major

Ford, Edward A, Wash, DC, to Germany.
Lansford, Jack P, Arlington, Va, to 508th USASA Gp, Yongsan, Korea.

Captain

Simpson, Claude S, Jr, Ft Riley, to Stu Det USASCS, Ft Monmouth.

To Germany

Lynch, Arthur E, Ft Bliss.
Johnson, Alfred H, New York City.
Jones, William J, Ft Bragg.
Gentry, Edwin B, Redstone Arsenal, Ala.

Captain Through Colonel Promotions In SO 139

The Army in S. O. 139 has promoted 57 officers to the temporary grades of captain through colonel, all with rank from 1 July.

Listed by grade, those promoted are:

TO COLONEL

Dunlap, N, QMC Matlock, H A, TC
Johnson, J P, SigC Scherer, C R, QMC

TO LIEUTENANT COLONEL

Bond, J E, QMC Oliver, T C, TC
Everett, G W, Inf Slack, E V, OrdC
Miller, C R, Inf Soltow, E A, Arty
Mohr, J L, Inf Staffa, R W, CE

TO MAJOR

Craig, R S, Arty MacLeod, G A, Jr,
Fleischman, A, Arty Arty
Fowler, C J, AGC Martineau, L J, OrdC
Garber, R A, Arty Monroe, H E, Arty
Gause, J W, Jr, OrdC Moran, C L, Arty
Godfrey, C F, Arty Poston, J W, Arty
Hill, H R, Arty Schreiblein, R, SigC
Holster, H P, Arty

TO CAPTAIN

Alvey, E L, Arty Langford, P P, Arty
Austin, A H, WAC Luongo, D C, ANC
Benton, H G, CH McLaughlin, T J,
Bilderback, G W, OrdC
Boyd, D T, FC McRill, B I, Inf
Crossman, C A, AS Payne, T L, SigC
Drum, W M, Arty Powers, C K, Arty
Dysart, S H, Jr, MSC Puckette, C L, TC
Erickson, E A, Jr Reyna, C T, ANC
Foley, W R, QMC Sherrill, J H, Inf
Guenther, L A, Arty Smith, D S, Armor
Guyton, J S, Jr, Arty Springman, R W,
Harris, J A, Arty Armor
Hess, B G, Inf Spry, A E, OrdC
Hurlbert, C E, OrdC Stephens, J E, Inf
Jacobitz, J P, Jr, Arty Thomas, J D, OrdC
Weathersby, R A, Arty

The Armed Forces Top Command

The Honorable Dwight D. Eisenhower
Commander In Chief Of The Armed Forces

The Assistant to the President—Maj. Gen. Wilton B. Persons, USA-Ret.
Deputy Assistant to the President—Col. Bryce Harlow, USA

Staff Secretary—Brig. Gen. Andrew J. Goodpaster, USA

Military Aide—Col. Robert L. Shultz, USA

Naval Aide—Capt. Evan P. Aurand, USN

Air Force Aide—Col. William G. Draper, USAF

Department Of Defense

Thomas S. Gates, Jr.

Secretary Of Defense

Deputy Secretary of Defense—James H. Douglas, Jr.
Director, Research and Engineering—Herbert F. York

Assistant Secretaries Of Defense

Franklin B. Lincoln, Jr. (Comptroller)
Charles C. Finucane (Manpower, Personnel and Reserve)
John N. Irwin, II (International Security Affairs)
E. Perkins McGuire (Supply and Logistics)
Floyd S. Bryant (Properties and Installations)
Dr. Frank B. Berry (Health & Medical)
Murray Snyder (Public Affairs)
J. Vincent Burke, Jr. (General Counsel)

Joint Chiefs Of Staff

General Nathan F. Twining, USAF
Chairman

General Lyman L. Lemnitzer—Chief of Staff of the Army
Admiral Arleigh A. Burke—Chief of Naval Operations
General Thomas D. White—Chief of Staff of the Air Force
General David M. Shoup—Commandant of the Marine Corps

1st Lieutenant

To Stu Det USA Sig Sch, Ft Monmouth
Pybus, Fred B, 3d, Ft Bragg.
Jauch, Raymond M, Jr, Ft Sam Houston.

2d Lieutenant

Lawrence, Albert A, Arlington, Va, to Vint Hill Farms Sta, Warrenton, Va (remains asg USA Sig Comm Sec Agcy, AHS, Arlington, Va).
Offerdahl, Thomas G, Ft Detrick, to USAR-SETAF.

To USA Sig Gar, Ft Monmouth

From Ft Rucker:

Kerns, John A Schlemmer, Roger G

ADJUTANT GENERAL'S CORPS—

Maj Gen Robert V Lee, TAG

Captain

Speita, Victor F, Ft Benjamin Harrison, to Germany.

1st Lieutenant

Paladino, Vito W, Ft Bliss, to Korea.

JUDGE ADVOCATE GENERAL'S CORPS—

Maj Gen George W Hickman, Jr, TJAG

Captain

Katayama, Robert N, Charlottesville, Va, to Japan.

QUARTERMASTER CORPS—

Maj Gen Andrew T McNamara, QMG

Colonel

Darley, George L, Chicago, to Atlanta Gen Depot USA, Forest Park, Ga.
Marden, Lyman P, Jr, Ft Lee, to Utah Gen Depot, USA, Ogden, Utah.

1st Colonel

Durham, James T, Ft Monroe, to 2d Inf Div, Ft Benning.

Diesem, Walter F, Wright-Patterson AFB, to USA Elm MAAG, Vietnam, Saigon.
Kirby, Eugene B, Boston, to Korea.

Major

Wallace, Stanley M, Schenectady, NY, to Hq Fourth USA, Ft Sam Houston.

Bell, Robert R, Natick, Mass, to USA Elm MAAG, Vietnam, Saigon.

To Germany

Webb, Ralph J, Richmond, Va.
Williams, Harry R, Bowling Green, O.

Captain

Peacock, Gordon H, Ft Bragg, to Okinawa.
White, Clyde W, Ft Benning, to Korea.

To Germany

Oliver, Walter E, Memphis, Tenn.
Roney, Donald R, Ft Lee.
Baker, Robert W, Wash, DC.
Oba, Juneus T, Chicago.

1st Lieutenant

Corbitt, Bradley G, Portland, Conn.
Beach, Ernest E, Ft Jackson.

2d Lieutenant

To 1st AI Det (Div) Ft Riley

From Ft Carson:
Parker, James H (AI) Wheatcroft, J H (AI)

Engineer Corps Info Chief Reassigned

Col. Robert R. Robertson has received the Army Commendation Medal for distinguished performance of duties as Chief, Technical Liaison Division, Office of the Chief of Army Engineers.

Lieut. Gen. E. C. Itchner, Chief of Engineers, pinned the medal on Colonel Robertson in the presence of fellow officers and civilian associates, Mrs. Robertson, and their daughter Roberta.

Colonel Robertson, completing three years of service as Chief of the Technical Liaison Division, will assume new duties as Deputy Division Engineer, South Pacific Division, San Francisco.

Lieut. Col. Herbert A. Benton, Executive of Technical Liaison Division, will be Acting Chief of the Division until arrival in late August of the new Chief, Col. Stanley T. B. Johnson, District Engineer, Baltimore.

FINANCE CORPS—

Maj Gen Paul A Mayo, C of F

Captain

Ensley, George H, Wash, DC, to Stu Det FSUSA, Ft Benjamin Harrison, w/sta Royal Army Pay Corps Long Fin and Acct Crs Royal Army Pay Corps TC, Waller Bks, Devizes, Wiltshire, England.
Bacon, Norman J, Ft Meade, to 13th USASA Fld Sta, Harrogate, Yorkshire, England.

Dental Corps—

Maj Gen James M Epperly, Chief

Captain

Dowden, William E, Ft Knox, to USA Gar, Ft Ritchie, Md.

Medical Service Corps—

Col Roy D Maxwell, Chief

Major

Walnes, Paul A, Ft Monroe, to Korea.

To Stu Det AMSS BAMC, Ft Sam Houston

Fels, Robert D, Ft Knox.

Hesford, Douglas, Wash, DC.

Sheppard, Leonard G, Ft Belvoir.

Captain

Tyler, Herman H, Ft Knox, to USA Med Depot, Louisville, Ky.

Angel, Charles R, Rochester, NY, to USA Tropical Rsch Med Lab, Ft Brooke, PR.

Gray, Raymond G, Ft Lawton, to Germany.

Guibor, M T, Tacoma, to France.

To Stu Det AMSS BAMC, Ft Sam Houston

Cardenas-Lartigue, Gilberto, Huntsville, Ala.

Ezette, Donald W, Ft Lewis.

Grigas, Alfons A, El Paso.

King, Mancel W, Wash, DC.

McDonald, Nell J, Denver.

Smith, Donald, Redstone Arsenal, Ala.

Spendlove, Bernard, Phoenixville, Pa.

Tilt-Bed Trailer Developed By Army

An expansible tilt-bed trailer, featuring a split axle design, has been developed by the Army Engineer Research and Development Laboratories, Ft. Belvoir, Va.

The air-droppable unit can be expanded to carry equipment of various widths, and contracted for air transport. Its split axle is believed to be the first successful application of this type design in a tilt-bed trailer, and to accomplish its longitudinal members act as torsion members for the running gear.

A pilot model, which has successfully undergone engineering tests, was designed to carry an 8-ton payload and has a unit weight of 6500 lbs. It is 98 inches wide in its normal or retracted state, but can be expanded to an overall width of 120 inches.

To Korea

Johnson, Raymond, Jr, Ft Baker.
McKeough, Joseph F, Brooklyn, NY.
Smith Benjamin N, Ft Bragg.

1st Lieutenant

King, Damon D, Forest Park, Ga, to France.

To Stu Det Amss Bame, Ft Sam Houston

Busler, Rex A, Ft Bragg.

Dennis, William A, Ft Wadsworth.

To Germany

Bethfl, Howard D, Ft Sam Houston.

Murphy, Joseph H, Jr, Ft Knox.

2d Lieutenant

Pittman, Thurman M, Ft Lewis, to Hawaii.

Veterinary Corps—

Brig Gen Russell McNellis, Chief

Colonel

Yager, Robert H, Ft Detrick, to WRAIR, USA, Med RD Comd, WRAMC, Wash, DC.

Women's Army Medical Specialist Corps—

Col Ruth A Robinson, Chief

Captain

Louis, Winifred M, Ft Sam Houston, to Stu Det Hq Sixth USA, Presidio of SF, w/sta Univ of So Calif, Los Angeles.

Army Nurse Corps—

Col Margaret Harper, Chief

1st Colonel

Hammarlund, Mabel, Ft Sam Houston, to Germany.

Major

To Korea

Butterworth, Virginia F, Lawton.

York, Jeraldine, Ft Hood.

Hall, Edna F, Ft McClellan.

To Germany

Barber Ruth J, Ft Sill.

Craig, Winifred, Phoenixville.

Haydel, Juanita E, Ft Benning.

Owen, Ethel, Ft Carson.

Axmann, Mary C, Ft McPherson.

To France

Brown, Frances M, Washington, DC.

Clarke, Lacadia M, Denver.

McSwain, Ola M, Ft Bragg.

Captain

Waller, Julia M, Ft Monmouth, to USAH, Ft Jay.

Richards, Dorothy M, Wash, DC, to Japan.

Locke, Ruth A, Ft Campbell, to Hq Fifth USA Stu Det, Chicago, w/sta Univ of Minnesota, College of Med Sciences, Sch of PH, Minneapolis.

PL 810 Retirements

The Army has placed the following named National Guard and Reserve officers on the retired list upon their attainment of age 60 and completion of at least 20 years creditable service as provided under Title III, PL 810, 80th Congress:

Brigadier General

Hodge, Gerald O

Colonel

Stiles, Aaron K Brothers, Maurice F

Weiffle, Paul L McKinney, W B

Brown, Ernest J

Lieutenant Colonel

O'Neal, Harold E Denny, Thomas

Vaden, Thomas H Brady, Elmer J

Patten, Franklin W Cherbonnier, A V

Perkins, David M Mitchell, James A

Prime, Louis J Luedke, Edward A

Major

Shinn, William E Anderson, Myron

Lewis, John G Greer, James A

Captain

Hummon, Dale L

Retired Upon Application Colonel

Shamel, Joseph W, Sig C.
Millet, Stephen J, Ord C.
Wurfel, Seymour W, JAGC.
Hall, Samuel L, Ord C.
Reed, Charles B, Arty.
Barth, Lee D, DC.
Brunsvold, Rudolph K, Inf.

Lt. Colonel

Walker, Robert M, Arty.
Ramsey, Thurman F, OrdC.
Lynn, Harold B, SigC.
Slone, William R, Arty.
Everett, Leroy, Inf, as Col.
Sorady, Fred E, CE.
Nelson, Lawrence J, Inf.
Matheny, Arthur J, Arty.
Wurth, Charles, SigC.
Jordan, Gordon A, TC.
Harper, Willie F, Inf.
Showers, James R, Inf.
Beck, Harry V, Inf.
Briley, Finos O, TC, as Col.
Navarre, Elmer C, Inf.
Martin, Thomas J, Arty.
Sandahl, Leo B, Inf.
Amy, Rupert, Inf.
Gilbert, Burton R, CE, as Col.
Herbst, Edward, Jr, CE.
James, Leonard N, Inf.
Robertson, Chester B, AGC, as Col.
Lappin, William E, AS, as Col.
Wick, Arthur M, Arty, as Col.
Hicks, Thomas M B, Inf.

Major

Marshall, Clemon L, Arty, as Lt Col.
Prentice, John C, CE.
Walton, Harold C, Armor, as Lt Col.
Juenger, Gregory M, QMC.
Pallman, George M, Arty, as Lt Col.
Crank, Melvin N, AI, as Lt Col.
Moorer, Edward A, Inf.
Blum, Frank J, AI.
Hoover, Ross E, MSC.
Montgomery, Ray, CE.
Robinson, Elmer, SigC, as Lt Col.
Roach, Marvin E, Inf.
Daue, Arnold K, AI.
Duke, Thomas H, Jr, SigC.

Captain

Moosen, Joseph G, Inf, as Maj.
Payne, George A, MSC, as Maj.
Michel, Alfred, Jr, Inf.

Chief Warrant Officers

Smith, W-4 William D, AGC.
Beverage, W-2 Boyd M, Jr, TC.
Oramas, W-3 Felix, AGC, as W-4.
Heath, W-4 Albert, AGC.
McDaniel, W-4 Wilmer K, TC, as Col.
Botts, W-3 Pete, Cml C.
Patterson, W-2 Raymond, SigC.
Hicks, W-3 Thomas J, QMC.
Casper, W-2 Guillo-rmo, AGC.
Shuff, W-2 King W, QMC.

TO TEMP DISAB RET LIST—

Waller, Capt Edward C, Inf (30%) as Maj.
Harden, Capt Mack L, TC (60%) as Maj.
Strauss, 1st Lt Elmer N, Jr, TC (100%).

—Continued on next page

FORMER WEST POINT CENTER

3D CAVALRY GETS A NEW COMMANDER

COL. John B. Maxwell, 2d, USMA '37, has succeeded Col. E. R. White as commander of the 3d Armored Cavalry Regiment at Ft. Meade, Md. Colonel White has been assigned to the Office of the Deputy CofS for Operations at the Department of the Army.

The new commanding officer, who served in the Pacific theater with the famed 7th Cavalry Regiment of the 7th Cavalry Division during WWII, served recently as Director of Personnel, Services and Administration for all U. S. Army forces in Japan.

A center for the West Point football team, 1936-37-38, Colonel Maxwell served from 1945-48 as a Professor of Military Psychology and Leadership in the Department of Tactics at West Point.

The new commander and his wife, Nancy, have a daughter, Marcie, 13.

CHEMICAL CORPS—

Maj Gen Marshall Stubbs, C Cml O

Lt Colonel

Tonetti, Serge, Newport, Ind, to USA Cml Gen & Cml C Matcom, Army Cml Gen, Md.

Major

Walker, William L, Wash, DC, to Stu Det Hq Second USA, Ft Meade, w/sta Univ of Maryland, College Park, Md.

Captain

Cary, David B, Ft McClellan, to Hq Fifth USA Stu Det, Chicago, w/sta Purdue Univ, Lafayette, Ind.

1st Lieutenant

McPheeters, Leander B, Redstone Arsenal, Ala, to USA Gar, White Sands Msl Rg, N Mex.

Dross, Allen E, Dugway, Utah, to 183d Cml Platoon, Ft Benning.
Hooker, William M, Ft Bragg, to USA Cml C Sch Spt Bn, Ft McClellan, Ala.

DAM MAN

Lt. Col. Joseph Garbacz has been appointed Assistant Chief of the Army Corps of Engineers division that handles civil works in the Northwest. He will be stationed in Washington, D. C., and will serve as liaison officer to the branch offices directing work on hydroelectric dams and other projects in the northwest states.

CHAPLAINS CORPS—

Maj Gen Frank A Tobey, C of C

Captain

Casey, Walter E, Ft Belvoir, to France.

TRANSPORTATION CORPS—

Maj Gen Frank S Besson, Jr, C of T

Lt Colonel

Francis, Ernest H, Ft Eustis, to USAAVNS, Ft Rucker.
Armstrong, Armor S, Wash, DC, to USA Elm OSD, Wash, DC, w/sta Ofc of the Def Advisor, USRODEFREPNAME, Paris, France.

Major

Davino, Louis, West Point, to Korea.

Captain

Moore, Francis D, Jr, Ft Rucker, to Stu Det USATSCH, Ft Eustis.
Deweese, Thomas P, 2d, Ft Eustis, to Hawaii.
Donahue, Robert A, Ft Eustis, to Korea.

1st Lieutenant

Doyle, John F, Jr, Ft Rucker, to Stu Det Third USA, Ft McPherson.
Yates, William E, Ft Eustis, to First USA STU DET Governors Is, w/sta Mass Inst of Technology, Cambridge, Mass.
Wilderom, Larry D, Ft Eustis, to Korea.
Locknar, Romeo F, Ft Story, to France.

TO USASETAF

From Ft Eustis:

Chambers, Michael D.

McCollough, William A.

2d Lieutenant

Cox, Billy W, Ft Eustis, to 69th Avn Co, Ft Ord.
Aldrich, Harold B, Ft Bragg, to Germany.

MILITARY POLICE CORPS—

Maj Gen Haydon L Boatner, PMG

Lt Colonel

Ross, Aaron P, Gordon, to US Civil Admin of the Ryukyus Is, Okinawa.

WOMEN'S ARMY CORPS—

Col Mary L Milligan, Director

Major

Parker, Beatrice A, San Francisco, to US WAC Gen, Ft McClellan.
Sallis, Helen N, Ft Campbell, to Germany.

To Korea

Berry, Christine H, Phoenixville, Pa.
Kratcha, Dorothy M, Ft Jackson.

To France

Marshall, Lyle P, Ft Riley.
Therault, Jeanette B, Ft Ord.
Wolange, Nellie M, Ft Gordon.

1st Lieutenant

Iannacone, Marie R, Ft Bragg, to Hq First USA, Governors Is, w/sta Boston AB, Boston.
Rausch, F M, Ft Sam Houston, to Germany.

To Korea

Nolfe, Vera A, San Francisco.
Pollock, Joan F, San Francisco.

2d Lieutenant

Stanfield, Ruby N, San Francisco, to France.
Rank, Michael, Denver, to Germany.
Page, Gaye M, San Francisco, to Korea.

ORDNANCE CORPS—

Lt Gen John H Hinrichs, C of Ord

Lt Colonel

Sell, Russell R, Wash, DC, to USA Ord Dist Birmingham, Ala.
Grant, Patricia E, Aberdeen Pr Gr, to USAAMC, Ft Sill.
Anderson, Lewis M, Redstone Arsenal, Ala, to USA ADGRU Korea, Yongsan.

Captain

Parrish, Robert H, Ft Meade, to Stu Det USA Ord Sch, Aberdeen Pr Gr, Md.
Sherris, Samuel, Governors Is, to Germany.

1st Lieutenant

Brandenstein, Howard C, Redstone Arsenal, Ala, to 35th Arty Bde, Ft Meade.
Moseley, Lavaughn C, White Sands Missile Range, N Mex, to Germany.

To Stu Det Hq Third USA, Ft McPherson w/sta Univ of Alabama, University, Ala
From Redstone Arsenal, Ala:
Apperson, Jack A Johnson, Andrew C
Patte, Chris Saffold, Albert T

2d Lieutenant

Wicks, Ronald C, Ft Hood, to USA Ord Msl Comd, Redstone Arsenal, Ala.
Kerr, David B, Ft Hood, to USA Ord Dist, St Louis.

Venman, Peter A, Ft Leavenworth, to 555th Ord Co, Ft Meade.
Ramsey, Charles G, Ft Lewis, to USA Gar, Ft Bragg.

Turpin, Donald L, USA Ord Depot Blue Grass, Richmond, Va.
Conreux, Phillip D, Redstone Arsenal, Ala, to Hq XI USA Corps, St Louis.
Sutton, Harvey L, Ft Leonard Wood, to France.

Martin, Paul, Ft Riley, to Germany.

To USA Ord Tng Comd, Aberdeen Pr Gr
Kadlec, James W, Ft Hood.
Benedict, Roger J, Redstone Arsenal, Ala.

To USAGGMS, Redstone Arsenal, Ala
Johnston, Archie L, Jr, Ft Hood.
Horn, Leonard R, Ft Campbell.
Wellman, Barclay O, Ft Ord.

To Korea

Carlson, Boyd H, Ft Riley.
Dunlop, John F, Redstone Arsenal, Ala.

S.O. 144 Boosts

The Army in S.O. 144, effective 7 July, has named the following officers for promotion to colonel, lieutenant colonel, major, and captain.

TO COLONEL

Buckles, R C, Arm Fields, H C, Jr, TC
Coats, James G, MSC Parker, H C, Arm

TO LIEUTENANT COLONEL

Borman, Robt W, Inf Kleist, Erwin H, CE
Graham, Wm B, CE Leasure, Dan S, CE
Irvine, James, Jr, CE Scoggin, J F, Jr, SigC
Keller, Andrew K, CE Stendebach, W, Jr, TC
Kimbrel, John F, CE Truncellito, Edw, TC

TO MAJOR

Brown, Richard E, AI Layton, Benj T, AI
Broering, V F, CH Medinger, Robt E, CE
Fremch, T A, Arm Perlman, S S, OrdC
Kalman, John N, SigC Retzer, Ruth M, ANC
Kilneyoung, Mildred Rose, Frank C, Inf
E, ANC Sargent, H D, QMC
Laughlin, L D, Jr, Thorarinson, G O, Inf
Arm Violette, Adrian J, TC

TO CAPTAIN

Allen, Clyde D, SigC Kepler, John L, Inf
Avery, David J, Arty Latham, Robt M, MSC
Baizhiser, R M, Arty May, Edison L, SigC
Barta, Eugene F, FC McCoy, Harvey C, TC
Bennett, Wm M, Jr, McDuffee, D P, SigC
Arty Mielke, Virgil E, MSC
Blindrup, L W, Arm Neal, John L, Jr, Arty
Caetano, Robt M, FC Ritz, Karl C, Arty
Castagnetto, Robt S, Schneider, Geo J, Inf
Arty Scott, Chas G, Arty
Elliott, R L, Arm Sims, Guy E, Arty
Eng, Charles, CE Traxler, G M, SigC
Finley, John L, TC Warnack, J E, SigC
Fowler, B J, MSC Wilson, P W, Jr, Arty
Hamrick, N G, SigC Wright, Robt A O, Jr
Hoen, Warren K, MSC
Johnson, M V, ANC

Army Promotes W-3 Thru Colonel In S.O. 145

THE Army in S.O. No. 145 has promoted officers to the temporary grades of Chief Warrant, W-3, through Colonel, all with rank from 8 July.

Those promoted to:

Colonel, AUS, include lieutenant colonels through sequence number 357, Army Promotion List, DA Circular 624-73, 23 November 1959.

Lieutenant colonel, include majors through Number 1167, Circular 624-47, 9 March 1959.

Major, include captains through Number 1340, Army Promotion List, 22, Chaplain, 419, ANC and 139, MSC, Circular 624-66, 14 September 1959.

Captain, include first lieutenants through Number 751.1, Army Promotion List, 17, WAC Circular 624-64, 19 August 1959, Number 68, MSC, and 28, ANC, Circular 624-67, 17 September 1959.

Date of rank cut-off of warrant officers promoted to CWO, W-4, was 22 January 1954. The junior officer promoted had 132 months and 2 days active Federal warrant and/or commissioned service as of 30 June 1959.

The date of rank cut-off of warrant officers promoted to CWO, W-3, was 18 December 1953. The junior officer promoted had 96 months and 15 days active Federal warrant and/or commissioned service as of 30 June 1959.

TO COLONEL

Flesch, J M, Inf Teabolt, C R, OrdC
Long, H S, Jr, ARM

TO LIEUTENANT COLONEL

Coch, F A, 3d, ARM Moore, T E, Jr, Arty
Cyr, C W, ARTY
Dancy, A G, CE Nalle, R, ARTY
Douglas, J S, Inf Nixon, RT, CE
Harper, W C, Inf Steel, C L, Jr, CE
Marshall, A R, CE

TO MAJOR

Cappelen, J J, Jr, TC Nowak, S A, CE
Darling, R E, CE Reed, S A, Jr, ARTY
Harbin, W R, OrdC Rock, A F, ANC
Herbin, J L, CmlC Strouse, C H, ARTY
Hord, A A, OrdC Wessman, W W, CH
Love, R M, ARTY Williams, J D, INF
McKee, J W, Jr, OrdC Wilson, M O, MSC

TO CAPTAIN

Barney, W J, MPC McCord, J S, Inf
Barnitt, G W, Jr, Inf McKee, J, QMC
Brown, R F, QMC McLeod, A J, ANC
Capacio, M, WAC Purcell, M M, WAC
Davis, J C, Inf Richards, H C, SigC
Evans, B W, MSC Sadler, T H, MSC
Farish, S, TC Slawson, E F, WAC
Fritchman, L V, CE Ulrich, C F, Inf
Jones, R N, CE White, J A, WAC
Kent, J F, ARTY Williams, J A, CE
Latham, B R, Inf Williams, L L, ARTY
Latham, G S, ANC Williams, M R, WAC
MacKay, J F, CE Wolcott, J M, WAC
Martin, J R, Inf Zummo, J J, Inf
Mays, W M, Inf

TO W-4

Schwartz, F R, AI

TO W-3

Bourgeois, W D, Simpson, CF, ORDC
OrdC

Army Orders

From preceding page—

Davis, 1st Lt Horace B, Inf (30%).
Maloney, CWO-2 Frank L, SigC (40%).

RESIGNED—

1st Lieutenant

Krawczyk, Henry J, MC.

Captain

Stephens, J H, Jr, Inf Moore, K M, Jr, CE
1st Lieutenant

Echols, Bill D, Arty Kilpatrick, Wm A, TC
Amstrong, R J, Inf Julian, Chas T, TC
Abbott, Jerry M, Inf Hall, David W, Inf

PROMOTED IN RA—

To 1st Lieutenant

W/DR 1960

29 Jun: Heald, Robert C, SigC.
30 Jun: Sands, Joseph N, TC; Olson, Clarence T, MSC.

1 Jul: Alban, Paul E, Arty; Arn, Robert E, Arty; Batte, James H, CmlC; Baum, Fred, erick W, OrdC; Bayer, Kenneth H, Arty; Benjamin, George C, Arty; Blakeney, Thos O, C, Arty; Brill, Arden C, Inf; Brown, Charles P, Arty; Brumfield, Oscar M, CE; Bryan, Thomas L, Arty; Bull, Robert H, OrdC; Carter, George F, Arty; Cavness, William D, Inf; Clark, Melvin D, OrdC; Cloudt, Otto B, Jr, Inf; Collart, Joseph H, CE; Connor, Parker E, Jr, Inf; Costello, Darrel G, Inf; Daley, David S, Inf; Durgan, Raymond C, Inf; Edens, Walter A, Arty; Edwards, Earl W, Inf; Eldridge, Ralph S, Arty; Eschenburg, Emil P, Inf; Evans, Jack C, Jr, Arty; Gilbert, Charles M, Arty; Goers, William C, Inf; Grant, Emerson W, Arty; Green, Jas B, Arty; Greenwood, Walter, Jr, Arty; Hall, Robert C, Arty; Hansen, Everett A, CE;

Col. Whitaker Joins XXI Corps

Col. William R. Whitaker, jr., Army Engineer Center, Ft. Belvoir, Va., will join the XXI Army Corps as a Senior Advisor with the Western Pennsylvania Sector Command at Pittsburgh effective 17 August.

Harness, Leslie J, Inf; Hatten, Philip A, Arty; Hightower, John M, Inf; Horner, Chas T, Jr, Inf; Howell, Bergen B, Inf; Ingalls, Robert C, Arty; Johnson, Irvin A, QMC; Johnson, Lester B, Inf; Kadick, Mishla N, Arty.

Kersting, Donald A, Arty; King, Warren R, Arty; Kinzer, John M, Arty; Lahum, Arthur H, CE; Lane, Jack F, CmlC; Lange, Herman W, Arty; Lawhorn, Zim E, CmlC; Lippincott, Clifford E, Arty; McCown, Hal D, Inf; Metcalf, George T, Arty; Miller, Jack C, OrdC; Mills, Jene E, Arty; Mynderse, Jacob F, Arty; O'Connor, Edwin, Jr, Arty; Pell, Robert H, Inf; Perrin, Bert, Inf; Platt, Robert G, AGC; Preble, Merle R, Inf.

Radcliff, Elgin G, CE; Ramsey, Lloyd B, Inf; Richter, Henry J, Inf; Rosson, William B, Inf; Sandiland, John S, Inf; Scandrett, William, SigC; Schendel, Harry A, Jr, Arty; Shivers, George W, Jr, Arty; Sigley, Woodrow B, Arty; Smith, Vallard C, Arty; Sterner, Cyril D, Inf; Stockton, Hunter LeG, Arty; Symbol, Paul H, CE; Taylor, Benjamin G, Jr, Inf; Tillson, Arthur C, Inf; Tredennick, John C, Arty; Twombly, John F, 3d, Arty; Unverferth, John E, CE; Walker, Harry H, Jr, Inf; Walker, Marion W, Arty; Webster, George B, Jr, Arty; Wilkinson, William C, Jr, Inf; Wilson, Charles V, Inf; Young, Stephen D, Arty.

2 Jul: Bristol, Thomas F, Arty; Mather, Donald W, Arty; Smith, Fred C, MPC; Smith, Gordon K, Inf.

4 Jul: Brubaker, Jack H, Arty; Pearson, Willard, Inf.

5 Jul: Randle, Robert B, SigC.

To Major

W/DR 1960

29 Jun: Miller, William B, Inf; Reese, Thos H, JAGC; Warner, Jack W, Arty; Stelter, Grant D, MC.

30 Jun: Spitzer, Joseph B, TC.

1 Jul: Abrams, Lester W, Arty; Adamo, Pascal, Arty; Allen, Charles W, Jr, Inf; Allen, Glenn L, Jr, CE; Arbuckle, Robert C, CmlC; Arnold, Robert E, JAGC; Askin, Henry W, Inf; Bagley, James C, Inf; Bailey, Kenneth L, TC; Banse-Fay, Frederick V, Inf; Barnett, David E, Jr, Inf; Beard, J B, AGC; Beatty, Edward R, Arty; Bell, Raymond E, CmlC; Bennett, Paul M, Inf; Black, Charles S, TC; Blackwell, Roy V, QMC; Blair, Bruce E, QMC; Bledsoe, Thomas D, Jr, SigC;

201st Infantry Reunion

The 201st Infantry Regiment Veterans Association will have a reunion at the Hotel Morgan at Morgantown, W. Va., 30 September through 2 October. For details, contact Armond R. Lockard, Secretary, P. O. Box 201, Morgantown.

CONARC DEPUTY

The Continental Army Command has a new Deputy CofS for Operations, Plans and Training, Maj. Gen. Louis Watson Truman, former Commander of the 4th Infantry Division at Ft. Lewis, Wash.

He succeeds Maj. Gen. Ben Harrell, new CG of the 101st Airborne Division at Ft. Campbell, Ky.

General Truman, USMA '32, was appointed to West Point through membership in the Missouri National Guard.

Borges, Richard A, TC; Boyd, William E, Inf; Bridgman, J Allington, Jr, AGC; Brugge, Robert O, CE; Buckingham, James S, Arty; Burch, Robert L, AGC; Burnette, Thomas N, Arty; Butler, Frank L, MPC; Cahill, Geo T, Jr, AGC; Callinan, Patrick M, FC; Carlson, Carsten D, Inf; Carroll, Edward F, Inf; Carson, John L, CmlC.

Catania, Alfred J, TC; Chase, Jack P, QMC; Clark, John E, Arty; Clark, Richard S, CmlC; Clarke, Arthur M, Arty; Cline, Edward C, QMC; Collins, Gilbert R, Arty; Conley, Richard H, OrdC; Connors, William J, Arty; Conway, Walter E, Inf; Copeland, Edward A, SigC; Cramer, Robert G, Arty; Dalton, Dermot P, Arty; Davidson, Lonnie M, Arty; Davino, Louis, TC; Davis, Charles E, Arty; Davis, Samuel P, 3d, Inf; Deegan, Richard J, JAGC; Del Mar, Henry R, TC; Dettrey, Glenn W, Arty; Dierauf, Frank, Jr, Inf; Dodd, Frederick A, Arty; Doeppner, Thomas W, SigC; Doherty, Philip A, Arty; Doppel, Leroy, Inf; Dowden, Richard L, Arty; Dundas, Gerald W, AGC; Dupart, William L, AGC; Ensor, John O, Inf; Fell, Joseph G, Inf; Filby, Robert A, TC; Finley, Joe W, Inf; Flynn, Joseph V, Arty.

Flynn, Thomas B, CmlC; Fowler, Philip J, MPC; Frame, Golden J, QMC; Franzek, Theodore D, SigC; Gabella, George T, Inf; Gardner, Richard M, Arty; Garland, Albert N, Inf; Garr, Arthur S, CE; Gemmer, Frederick L, MPC; Gentry, Clarence E, Inf; Gertie, Raymond J, OrdC; Gibbs, Cyrus L, Inf; Gillaspay, Bruce N, JAGC; Gillentine, Luncford P, SigC; Goepfer, Edwin S, Jr, QMC; Goley, Byron H, Arty; Goodwin, Andrew L, Inf; Gordnier, Ted E, Inf; Gordner, Henry L, Inf; Greer, Herman E, TC; Gursky, Alex P, OrdC; Hale, Albert C, QMC; Hammack, J Y, TC; Hanna, Thomas G, Arty; Haralson, Browning R, Inf; Hawk, Edwin L, SigC; Hawley, George R, Jr, Arty; Haynes, Chester H, Inf; Hayward, Fred O, Jr, Arty.

L/C Bass Goes To Seoul

Lt. Col. Roy H. Bass, jr., Provost Marshal, has left the 2d Infantry Division at Ft. Benning, Ga., for duty as Advisor to the Provost Marshal General of the Korean Army in Seoul. Captain Duris Speights, jr., will succeed Colonel Bass.

Henderson, John R, Arty; Hisaka, Masakatsu, Inf; Hockaday, Spencer T, Arty; Holt, Robert B, Inf; Hon, William MacL, Arty; Hoshal, Quentin S, SigC; Houston, Frank W, Arty; Howland, Frederick P, TC; Hubble, James E, Inf; Hubble, Philip C, Arty; Hutto, Charles L, TC; Hyde, Thomas I, Arty; Ivey, Ashley, Inf; Jacobson, Arthur J, Arty; Jansen, Frank J, Arty; Jardon, Eldo B, FC; Jones, Cecil R, FC; Jones, Donald M, Inf; Jones, Murray G, Inf; Karr, Guy A, Jr, Arty; Katagiri, Taro, Arty; Keefer, Robert J, TC; Kennedy, Maurice J, Inf; Kilbourne, Charles A, Inf; Kinsey, John D Z, Arty; Knight, John N, Inf; Krometis, August A, Arty; Kulhanek, Bernard J, Arty; Kussmaul, William G, Jr, OrdC; Lambertus, Willard L, SigC; Lassetter, James D, TC; Linn, William E, Arty; Lipscomb, John R, AGC; Little, John T, Inf; Loftus, Joseph F, Jr, AGC; Luck, Alton LaV, QMC.

Lyle, Paul B, Arty; Maddox, William J, Jr, Arty; Maher, John R, Jr, AGC; Mahr, Warren C, Inf; Marcum, Robert D, Arty; Marcus, Milton S, MPC; Marin, Gerald S, FC; Martin, James J, Inf; McCaffrey, Donald J, OrdC; McClung, Boniface D, FC; McCue, Edward F, QMC; McKenna, Warren E, TC; McKenzie, James E, CmlC; McKenzie, William E, Arty; McMahon, Leo T, Jr, TC; McMin, John H, Inf; Merritt, Doyle, Arty; Meyer, Warren J, OrdC; Miller, Frederic G, AGC; Miller, William R, Arty; Milligan, Carey W, Arty; Minyard, James T, AGC; Moore, Jesse N, Arty; Morley, Leonard A, Inf; Morrow, Thomas O, Arty; Morton, Ernest L, Jr, Arty.

Mosser, Richard B, SigC; Mulhern, John F, Inf; Murphy, Daniel J, SigC; Nelson, Ivan C, MPC; Nolpe, William H, AGC; Norris, Chas R, OrdC; Nottage, Paul E, Inf; Oakes, Edward E, Jr, FC; Okawachi, Toru M, Inf; Okazaki, Saige, MPC; Orrick, Richard R, QMC; Osburn, Wayne E, TC; Painter, Maurice, MPC; Parker, Brandon L, Inf; Patterson, David T, SigC; Pederson, Leonard M,

Arty; Phinney, Jack T, SigC; Pietrzyk, Mitchell, Inf; Potalivo, Patsy M, AGC; Proudfoot, George F, MPC; Proudfoot, Robert J, OrdC; Rau, William A, Arty; Reece, Donald P, Inf; Reynolds, Ronald J, AGC.

Rice, Delbert E, CmlC; Richie, Howard M, Inf; Risen, Everett L, SigC; Robbins, Phillip W, Arty; Roberts, David R, MPC; Rutledge, Walton A, TC; Sacra, Sam W, Arty; Schmidt, William T, Arty; Schuknecht, Lloyd C, Jr, SigC; Scott, Harvey, Arty; Serbousek, George, TC; Sevdy, Lawrence M, Arty; Siegel, Leon S, SigC; Sillin, William E, Inf; Small, Ballard B, Jr, OrdC; Smith, Olin E, Inf; Smith, Raymond H, Jr, SigC; Smith, Wilbur B, Arty; Smothers, William, QMC; Sowers, Harold N, OrdC; Sparano, James W, Inf; Spinello, Michael S, TC; Stiefel, Lawrence E, TC; Stillo, Frank G, SigC; Stofflet, Lawrence M, Arty.

Suechika, Ben, MPC; Sutherland, Warren F, Jr, Arty; Thomes, Geo E, TC; Thompson, Alfred F, Arty; Thompson, Benjamin H, OrdC; Thrush, Francis H, Arty; Tribble, Harold C, Jr, Arty; Troy, Guy K, Arty; Tryon, Frank H, FC; Tymchak, Michael, Arty; Waller, Albert C, SigC; Watson, Charles L, Inf; Weible, Oscar J, MPC; Welch, George P, Inf; Western, George E, Inf; Whalen, Thomas F, Inf; Whisler, John L, sr, SigC; White, John D, Inf; Wilkin, John M, Inf; Williams, Charles C, Arty; Wolfe, Melvin M, TC; Woodson, Eugene A, SigC; Yonushonis, William L, AGC; Yuncck, Richard T, Arty; Zufelt, Dick, Inf.

Kirkland, Faris R, Arty; Kitchin, Herbert A, Arty; Lynch, Homer M, Inf.

McKay, William L, Arty; McKie, Robert G, SigC; McKnight, James R, CE; Meilinger, Dale E, Arty; Morrison, Patton N, Arty; Morton, Jack E, Inf; Neu, Dick D, Arty; Owens, Warren R, Arty; Pauley, Francis L, Inf; Phillips, John C, Arty; Porter, Clair E, Inf; Reed, Edwin, Jr, SigC; Rizer, Charles B, MSC; Rogers, Robert F, Inf; Rosen, Leslie M, MPC; Schmidt, Theodore H, Arty; Smith, Robert W, AGC; White, Walter J, Arty; Wilkins, Eugene E, Inf.

2 Jul: Ice, Ronald E, SigC; Kinney, Philip R, Arty.

4 Jul: Chandler, Richard, Jr, CE; Goldsmith, Stanley L, CE; Lambo, Jerry D, SigC; Stiff, Frederick F, Arty.

5 Jul: Jackson, Wilfred A, Arty.

To 1st Lieutenant

W/DR 1960

29 Jun: Culbertson, Jerome B, QMC; Dawson, Jon C, TC; Dennison, Gary V, Inf; George, Dannie E, Inf; Ginter, Duane L, Arty; Hoffman, Robert F, OrdC.

30 Jun: Menefee, William P, Inf; Pipes, Jack R, Jr, Inf.

1 Jul: Atkeson, Thomas L, Arty; Behm, Peter S, Arty; Bell, Fred V, MPC; Butler, Robert W, Inf; Clark, Donald R, Inf; Conkel, Ronald P, Inf; Dacey, John C, OrdC; Dickerson, Jon R, Arty; Howell, Raymond K, SigC; Nichols, Richard E, QMC; Sargent, Norbert J, Inf; Schwendinger, Charles J, TC.

NO. 1 WARRANT IN TC RETIRES

CWO Howard G. Hatch, Marine Engineer Maintenance Officer of the 3d Transportation Terminal Training Group, Ft. Eustis, Va., and number one ranking warrant officer in the Army Transportation Corps will retire this month. He received a commission as CWO in the Army Coast Artillery Corps (mine laying service) in May 1942.

Mr. Hatch and his wife, the former Isabelle L. Guay of Old Town, Me., reside at 13 Lynhaven Drive, Hampton, Va.

Anderson, Amel, MSC; Arima, James K, MSC; Avrett, Marion E, MSC; Bates, Roy L, MSC; Benke, Clyde W, MSC; Brigadier, Mort B, MSC; Brubaker, Luther G H, MSC; Bunte, Albert G, MSC; Case, Vernon E, MSC; Cennamo, Sebastian, MSC; Fisher, Crestin L, MSC; Garza, Rene C, MSC; Ginikowre, Geo J, MSC; Halladay, Theodore J, MSC; Haskell, Morris B, MSC; Helwinkel, Hans W, MSC; Hemperly, Cecil W, MSC; Hesford, Douglas, MSC.

Hunter, Donald H, MSC; Kilby, Albert B, MSC; King, Cletus E, MSC; Kitchen, Lloyd, MC; Kitch, Richard H, MSC; Lada, John, MSC; Ledbetter, William B, MSC; Levardsen, Richard W, MSC; Loyd, Reginald C, MSC; Meads, William J, MSC; Mihm, Homer W, AMSC; Morgan, John G, MSC; O'Neill, William B, MSC; Ostby, Wallace L, MSC; Pastore, Joseph A, MSC; Petrini, Bruno A, MSC; Quigley, Calvin C, MSC; Ramsey, Foster G, MSC; Reinel, Anthony A, MSC; Rogers, Robt J, MSC; Roueche, Mossman, MSC; Schongalla, William, Jr, MSC; Thomas, Reginald C, MSC; Turk, Richard P, MSC; Waterfield, William M, MSC; Wheeler, Leigh F, sr, MS.

2 Jul: Bean, John F, Arty; Goodman, Wilbur G, Arty; Riley, Frank J, QMC; Budser, John J, CE; Strand, Vincent W, Arty; White, Ulysses X, Arty.

3 Jul: Diaz, Victor F, Inf; Eisen, Bruno, MC.

4 Jul: Kattner, Stanley J, QMC.

5 Jul: Cleland, John R D, Jr, Inf; Evanson, Dolores L, AMSC.

ABERDEEN AIDE

First Lt. Richard R. Russell has been named Aide-de-Camp to Brig. Gen. John H. Weber, CG of Aberdeen Proving Ground, Md.

Before coming to the Proving Ground last year he served at Ft. Benning, Ga.

To Captain

W/DR 1960

29 Jun: Asbelle, Chares T, TC; Ash, Philip L, Jr, MPC; Connolly, William J, Arty; Gibbons, William C, CmlC; Gruen, Robert W, Arty; Kay, Joe E, Arty; Medbury, Payl R, Inf.

30 Jun: Cannon, Sammy J, SigC; Colson, Alfred B, Jr, OrdC; Coughlin, Charles L, Arty; Hamilton, Frank H, OrdC; Kniffin, Arnold D, Arty; Lawrence, Robert S, TC; Maurer, William W, Arty; Nolet, Robert A, SigC; Patton, William W, Jr, Arty; Poplin, Carrol B, Arty; Ton, James G, CE.

1 Jul: Adessa, Anthony J, Arty; Amaki, Satoru, CE; Brown, Thomas D, Arty; Byron, Robert, Inf; Canham, Thomas R, SigC; Ching, John Y S, Inf; Cooper, John O, 3d, Inf; Fellabaum, John N, Arty; Finney, Don E, TC; Fowler, Roy, Arty; Goodwin, Clifton R, Arty; Haessler, Rodolfo, Inf; Hingst, John M, CE; Hollar, John C, Arty; Horwadel, Alan T, Inf; Kalleis, James S, Arty;

2 Jul: Knowles, Emanuel H, CE; Morrison, Leo S, Jr, SigC; Sarver, Richard E, FC.

3 Jul: Brownfield, William L, CE; Flely, Linus H, Arty; Leins, David V, Jr, Arty.

4 Jul: Fauli, Robert W, SigC; Rust, Richard A, Arty; Spaulding, John J, CE; Walla, Thomas W, Arty.

5 Jul: Harris, Bryan D, Arty; Joyce, Warren C, Arty; Proeschel, Donald L, TC; Skillman, Charles S, Jr, CE.

RA PROMOTIONS CONFIRMED—

To 1st Lieutenant

Hanlin, Richard W, Inf; Hickey, George J, Jr, Arty; Kester, William R, TC; Ketchum, Raymond E B, 2d, SigC; Killishek, George T, Inf; Kolb, Carter M, Jr, OrdC; Krueger, Robert F, Arty; Kurdziolek, Fred W, SigC; London, William G, Arty; Lorms, John L, Inf; Luke, Dawson B, QMC; Lustig, Jacob E, Arty; Madsen, Arlyn R, SigC; Mangum, Robin, Inf; Mastro, Franklin D, Arty; McCall, Gerald T, CE; Medford, Dillard E, Inf; Miller, Thomas LaR, SigC; Mills, Chas S, Jr, CE; Monaco, Nicholas, Jr, CE; Morrill, Phineas K, Jr, Arty; Nobriga, Gordon H, TC; Onellion, Willard M, Jr, Inf; Parks, Donald, Arty; Pitchford, Thomas L, MSC; Rakowitz, James A, CE; Ramsey, Russell W, Inf; Rich, Arthur L, Jr, QMC; Robinson, Thonius, Jr, Inf; Roller, Robin J, Arty; Russell, Beryl D, Arty; Salmonsen, Peter C, QMC; Seely, William B, Inf; Shaddock, Carroll W, Jr, Arty; Shimek, E Joe, 2d, Arty; Sones, Vernon B, CE; Sprague, 1st D, Arty; Stackhouse, Donald R, SigC; Stern, Allan R, Arty; Svirsky, William R, SigC; Tener, Robert K, CE; Thomas, David N, Inf; Thomas, Robert W, Arty; Todd, Carman D, SigC; Trainor, James L, OrdC; Wells, David K, CmlC; Vardamis, Alexander A, Jr, Arty; Walton, Clifford A, Jr, SigC; Williams, Edward H, AGC; Williams, Richard R, Jr, QMC.

TEMPORARY PROMOTIONS—

To 1st Lieutenant

Martin, John R, Inf; Bryant, Jerome B, Jr, MC; Schneider, Fred, DC.

To Major

Bickley, Russell W, DC; Burham, William A, MC; Chappell, Harold R, MC; Danganan, Sergio S, MC; Draughon, Arthur E, DC; Edwards, Norman J, DC; Fadul, William G, DC; Fehl, Merle I, DC; Ferguson, Dan S, DC; Gastineau, Robt M, MC; Hagen, James R, DC; Hummell, Paul R, MC; Macomber, Peter B, MC; McClure, Gammon D, DC; McClure, Jack B, MC; Moore, Robt C, Jr, MC; Morss, Dwight F, Jr, MC; Peereboom, Gerrit, MC; Schmitz, John F, DC.

End Careers At Benning

Four Lieutenant Colonels of the Army Infantry School were awarded Army Commendation Medals at Ft. Benning, Ga., recently as they retired. They are: William H. Horan, Waldo K. Bess, Aust P. Brown and Emmett H. Mcrary.

GARRETT NAMES MILITARY RELATIONS MANAGER

MYRON A. Tracy has been appointed Manager of Military Relations for The Garrett Corporation, it is announced by William J. Pattison, Vice President in charge of Garrett Sales.

From offices at 426 Cafritz Building, 1625 Eye Street, N. W. in Washington, D. C., Mr. Tracy will be responsible for conducting all prime military sales and contract negotiations for The Garrett Corporation and its AirResearch Manufacturing Divisions.

Prior to this appointment Tracy, who was appointed Assistant to the President in 1958, was Manager of Garrett's Washington sales office.

Before joining Garrett, Tracy served, from 1953 to 1954, as Deputy of Materiel Programs for the Department of the Air Force. For five years he served as Chief, Office of Aircraft Programs for the Department of Defense Munitions Board. From 1945 to 1948 he was Assistant Executive Secretary for the Air Coordinating Committee, Department of Commerce. From 1940 to 1945 he served as Acting Director of the Aircraft Resources Control Office, Department of the Navy.

SCHOOL AND CAMP DIRECTORY

The Schools and Camps listed below are effectively equipped to care for the educational and recreational needs of the children of members of the services and this Directory is recognized as an authentic and reliable aid to service parents in solving the problem of child education. For details as to the Schools listed in this Directory address them directly or communicate with the Army Navy Air Force Journal Dept of Education, 1710 Conn. Ave., N. W., Washington 9, D. C.

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Vittitow, 1st Lt Linley G. TC.
Kroon, 1st Lt William D. MSC, NG.
Bucy, Capt John L. MSC, NG.
Morris, 1st Lt Donald H. TC, USAR.

Master Army Aviators:
Basham, Maj Eldon O. TC.

Senior Army Aviators:

Canaday, Capt Willis L. TC.
Proctor, CWO-2 Howard L. USAR.
Harris, Capt Louis C. Armor.
Malling, Capt William M. TC.
Strain, Capt Robert E. CE.
Bell, Capt Richard K. Arty. NG.
Stonecipher, Capt Jesse W. Inf. NG.
Smith, Raymond G. TC.

ARMY ATOMIC STUDY

ALCO Products, Inc. of Schenectady, N. Y., has received a \$168,000 contract from the Army Engineer Center at Ft. Belvoir, Va. to study the technical aspects of operating, testing and maintaining Army field nuclear power plants.

Six nuclear engineers, four technicians and two administrative personnel from ALCO will be located at Ft. Belvoir through 30 November and will be responsible for compiling and furnishing written engineered solutions to problems peculiar to the use of field-type atomic power plants.

ADVANCED ON RET LIST—

Wichas, Sfc John J. to Capt.
May, M/Sgt James A. to 1st Lt.
Rueth, M/Sgt Anton, as CWO-2.
Simmons, M/Sgt Herbert W. as CWO-2.
Glisson, M/Sgt Marion L. to WO.
Hayden, Sfc Bernard, to WO.
Stultz, M/Sgt Oliver V. as WO.
Kelly, M/Sgt John B. to WO.
Reynolds, Sfc Richard L. to M/Sgt.
Martin, Sfc Clifton S. to M/Sgt.
Kay, Sfc James, to M/Sgt.

EM RET & TRF TO USAR—

Irving, Sfc Ernest J. Hulett, M/Sgt M D.
Scott, Sfc Woodrow W. Lavender, Sfc Leon E.
Howard, Sfc L M. jr. Lockett, M/Sgt C C.
Alexander, S/Sgt R J. Mitchell, Sfc H G.
Boiger, M/Sgt Joseph Moss, Sp5 Otha L.
Amis, M/Sgt John Perkins, Sfc Henry

—Continued on page 24

Retirement
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A large, 110 year old New England financial institution has sales openings on its staff which will be of interest to certain members of the armed services who are contemplating early retirement. Not everyone can qualify, but those who do, can be assured of adequate drawing allowances, and necessary training and supervision. The type of work will give you the independence of being in business for yourself and the personal satisfaction of serving others. Earnings limited only to your willingness to work aggressively. Your letter of inquiry regarding this retirement opportunity will be answered promptly and you will be placed in touch with one of our executive representatives in the area of your choice.

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SERVICE FAMILY NOTES

Family Editor
Louise B. McGiffert

Associate Family Editor
Bertie Johnson

Mrs. Blake Leads Wives At Ft. Knox

Mrs. William L. Blake, wife of Colonel Blake, Deputy CofS, Army Armor Center, will serve as President of the Women's Club of the Army Armor Center, Ft. Knox, Kentucky, for the year 1960-1961.

Other newly elected officers are: Vice-President, Mrs. Furman W. Marshall, Recording Secretary Mrs. John M. Gaske, Corresponding Secretary Mrs. Robert C. Harper, and Treasurer Mrs. Mershan G. Shaddy.

Mrs. W. Paul Johnson, wife of Major General Johnson, Com. Gen., Army Armor Center will be Honorary President.

Mrs. Ralph J. Butchers, wife of Major General Butchers, Com. Gen., USATC-Armor; Mrs. Walter A. Jensen, wife of Brigadier General Jensen, Assistant Commandant, Army Armor School; and Mrs. Evert S. Thomas, Jr., wife of Brigadier General Thomas, Deputy C/G, Army Armor Center, are Honorary Vice-Presidents.

First event on the fall schedule will be a Garden Party at the quarters of the Commanding General on Tuesday, September 20.

ACTRESS DAUGHTER

Marsha Pettit, 16, daughter of Lt. Col. Morris W. Pettit and Mrs. Pettit, of North Arlington, Va., is appearing with the Valley Players, at the Mountain Park Casino.

This Equity Resident Company is one of the best known summer stock groups in the New England area.

Marsha, the youngest member of the company, will be a senior at Arlington's Washington-Lee High School in September where she is a member of Thespians, the National Honorary High School Drama Society.

Her father is serving as Air Defense Advisor to the Johns Hopkins University Operations Research Office.

Wildflecken Wives Elect Mrs. Jensen

Mrs. Jerry L. Jensen is the President of the newly organized Wildflecken Officers' Wives' Club in Germany.

Serving as Honorary President is Mrs. Thomas Anderson.

Mrs. Ted W. Kelly, the new vice-president, will be in charge of group activities. Acting as Secretary is Mrs. Guy Boutelle. Mrs. Robert A. Ross is Treasurer.

WAC Major Retires

Maj. Eda J. Flanagan, WAC has retired at XI Army Corps, St. Louis where she was Chief of the Administrative Services Division, Adjutant General's Office. She joined the Service in March 1943.

Mrs. Briggs Host To Randolph Group

Six San Antonio women, all former residents of the senior commander's family quarters at Randolph AFB, Tex., were guests at a luncheon given recently by Mrs. James E. Briggs, wife of the Air Training Command commander.

Attending were Mrs. A. Warner Robins, 2519 W. Summit; Mrs. Hubert R. Harmon, 312 Westover Rd.; Mrs. Warren R. Carter, 419 Burr Rd.; Mrs. Carl B. McDaniel, 1141 Highland Blvd.; Mrs. Frank H. Robinson, 206 Fawn Dr. and Mrs. Charles T. Myers, 423 Hathaway Drive East.

Clip Board Look By Eglin Presidents



Mrs. Merritt G. Garner, left, newly elected President of the Eglin AFB, Fla., Officers Wives Club, looks over plans for the coming year with Mrs. Mahlon H. Long, Past President.

Newcomers Greeted At Ft. Gordon

The Ft. Gordon, Ga., Officers Wives Club recently welcomed newcomers.

Mrs. George C. Williams, Mrs. Howard M. Hobson, Mrs. Benjamin H. Pochyla and Mrs. Thomas H. Becton formed a receiving line to greet honorees and guests.

Newcomers were Mesdames D. J. Wiegman, W. L. Barrentine, L. A. Malechek, S. G. Severance, W. C. Stone, J. Pugliese, M. S. Raver, John K. Knight, Abbott B. Walton, George N. Calvert, Cecil D. Reed, A. R. Slaterry, Richard F. Vinson, A. J. Riccardi, J. A. Maetzold, R. L. Barry, and G. S. Ashmore.

Renovate Wherry Units At Edwards

A \$2.2 million contract has been awarded to Quiller Construction Co., Los Angeles, for renovation of 1,050 Wherry housing units at Edwards AFB, Calif., it is announced by Brig. Gen. John W. Carpenter, III, Air Force Flight Test Center Commander.

Plans call for conversion of 87 two-bedroom homes into four-bedroom units with a second bathroom; adding a third bedroom to 300 two-bedroom units; and installing utility rooms in 500 units of the 10-year-old project that houses both military and civilian personnel of the base.

Heidelberg Wives Elect

The Heidelberg-Mannheim Signal Officers' Wives' Club in Germany has elected Mrs. A. E. Dogan as President.

Mrs. J. W. Stewart as Vice President; Mrs. M. J. Hoyer, Secretary; and Mrs. H. B. Gardner, Treasurer.

JET HOME

Lt. Col. Thurman L. Ellis, USA-Ret., formerly with the Ft. Ord, Calif., 2d Logistical Command, his wife and two children, Nancy and Henry, will reside in Jet, Okla.

He received the Commendation Medal prior to his retirement.

ANN ARBOR HOUSING

Because of the critical housing situation in Ann Arbor, Mich., the Armed Forces Officers Wives Club there has established a program to assist newly assigned families.

Those desiring housing information for the Ann Arbor area should contact Mrs. George Muchalke, 3550 Oakwood, Ann Arbor, Mich., NOrmandy 2-9310, or Mrs. Howard Richards, 1103 S. Grove, Ypsilanti, Mich., HUNter 2-7217.

Military Families Are Growing

ARMED Forces families will be increased by almost 100,000 additional members during the next twelve months.

A new Pentagon estimate shows a continuing trend toward a larger family force, although military strength has been declining.

During fiscal year 1959, Armed Forces family members totaled 3,487,700. During the past 12 months, the number rose to 3,599,000. The Pentagon predicts that it will continue to rise to 3,694,000 during the period ending 30 June of next year.

Biggest increase—almost half of the total for all Services—has been in the Air Force where the number of family members has risen from 1,377,000 in fiscal '59 to an expected 1,489,000 in fiscal '61.

While the strength of the military services was decreasing from 3.3 million in fiscal '54 to 2.6 million in fiscal '59, the military family population rose from 2.6 million to 3.5 million—an increase of 900,000 during the period when military strength declined 700,000.

The Pentagon believes the situation has been caused in part by the increased emphasis in recent years upon the retention of trained military personnel. As personnel stay in the Services, the size of families increase.

Here are family strength estimates for the Services for the last two fiscal years and the new fiscal year which began this month:

	1959	1960	1961
Army	1,237,000	1,255,000	1,280,000
Navy	873,000	912,000	925,000
Air Force	1,377,000	1,432,000	1,489,000
TOTAL	3,487,000	3,599,000	3,694,000

Service Weddings and Engagements

COL. (USA) and Mrs. Robert R. Glass of Berlin, Germany, announce the marriage of their daughter, Johanna, to 2d Lt. Charles H. Dayhuff, III, son of Colonel Dayhuff, Jr., at St. George's Anglican Church in the British Sector of Berlin in an afternoon ceremony 2 July.

The bride was given in marriage by her father and was attended by Miss Nora Roth as maid of honor, and Misses Peggy Leonard, Ellen K. Johnson, all of Heidelberg, and Patricia Johnson, Berlin, as bridesmaids. Colonel Dayhuff served as his son's best man and ushers included Lt. Col. Joseph F. Kasun, Lts. P. B. Dague, H. N. Swazkopf, D. B. Browning and C. H. Pfister.

Mrs. Dayhuff, known to her friends as "Penny," whose father is Chief of Staff to the U. S. Commander, Berlin, is a graduate of the National Cathedral School, Washington, D. C., and attended the Munich branch of the University of Maryland. Attending the wedding from Berkeley, Calif., was her grandmother, Mrs. Ralph R. Glass, widow of Colonel Glass. Her maternal grandparents are Brig. Gen. (USA-Ret) Harry Thompson of Menlo Park, Calif. Her bridegroom, VMI '59, is now assigned at Heilbronn, Germany, where he and his bride will make their home.



Mrs. Dayhuff

REICHARD-PRITCHARD — Col. and Mrs. William Jennings Pritchard of Qtrs. 20-B, Governors Island, N. Y., announce the engagement of their daughter, Diane Louise, to Mr. Harry Sloan Reichard, son of Mr. Harry Reichard of Charlotte, N. C., and the late Mrs. Louise Sloan Reichard.

Miss Pritchard, who attended the University of Connecticut and St. Luke's Hospital School of Nursing, Manhattan, was graduated last month from the Katharine Gibbs School, New York. Her fiancé received a Master's degree from North Carolina State College in Electrical Engineering, where he was a member of the Tau Beta Pi and the Phi Kappa Phi fraternities. Having recently served as a lieutenant in the Air Force, Mr. Reichard is now a staff engineer of the Princeton-Pennsylvania Accelerator project at Princeton University. A September wedding is planned.

COULTER-RISDEN — Brig. Gen. (USA) and Mrs. Richard A. Risden of 5130 15th St., No., Arlington, Va., announce the marriage of their daughter, Catherine Louise, to Lt. Richard Van Coulter, USA, son of Mr. and Mrs. H. V. Coulter of Columbus, Ga., 3 July at the Post Chapel, Ft. Belvoir, Va.

The bride, attended by Mrs. Phillip Granum and Miss Patsy Coulter, sister of the bridegroom, was given in marriage by her father, Maj. H. C. Lamar was best man and Maj. L. E. Lorentzen ushered.

Following a Florida wedding trip, the couple will reside at Ft. Benning, Ga.

BOWEN-WOOD—Col. (USA-Ret) and Mrs. Clagett Wood, Jr., of Someday Farm, Lothian, Md., announce the engagement of their daughter, Harriet Fickling, to Mr. Norman Paul Bowen, son of Mr. and Mrs. Paul N. Bowen of Forestville, Md.

Miss Wood has recently graduated from Southern High School. Her fiancé is serving with the Air Force at McGuire AFB, N. J.

BOHANNON-JOHNSON — Dr. and Mrs. O. H. Johnson of Morehead City, N. C., announce the marriage of their daughter, Mrs. Natalie Johnson Case, to Maj. Edward John Bohannon, Adjutant of the 3rd Air Defense Artillery Group, Norfolk, Va., at the Church of the Good Shepherd, Norfolk, 9 July in an afternoon ceremony.



Mrs. Coulter

ROISEN-BARTH—Miss Dobbie Lee Barth, daughter of Col. and Mrs. Lee D. Barth of 551-B East Terrace, Presidio of San Francisco, was married to Mr. Benjamin A. Roisen, 12 June at the Post Chapel, The Presidio. The bridegroom is the son of Mr. and Mrs. Martin E. Roisen of Northwood, Iowa.

Mrs. Roisen is a graduate of the University of California at Berkeley and prepared at the American High School, Heidelberg, Germany, later attending L'Universite de Neuchatel, Switzerland. Her husband received a B. A. degree magna cum laude from Luther College and attended the University of California at Berkeley.

The couple are now at home at 1904 Sacramento Ave., Berkeley.

BOCHNOWSKI-DEAKEN—Mr. and Mrs. Frank X. Deaken have announced the engagement of their daughter, Carol, to Lt. Frank J. Bochnowski, USA, son of Col. (USA) and Mrs. Joseph S. Bochnowski of Ft. Totten, N. Y.

Miss Deaken is a student at St. John's University in Brooklyn. Her fiancé, USMA '60, has been commissioned in the Artillery and his first assignment is at Ft. Sill, Okla.

JOHNSON-TANK—Brig. Gen. (USA) and Mrs. Charles F. Tank of Ft. Hamilton, N. Y., announce the engagement of their daughter, Patricia, to 2d Lt. Gerald M. Johnson, USMC, son of Col. (USA) and Mrs. Wilbur M. Johnson, also of Ft. Hamilton.

Miss Tank has attended Madison College at Harrisonburg, Va., and her fiancé is USMA '60.

The wedding is planned for 20 August at the Post Chapel, Ft. Hamilton.

DEPEW-VAILE—In an afternoon ceremony at the Holy Trinity Episcopal Church, Menlo Park, Calif., 25 June, Miss Susan Elizabeth Vaile became the bride of Lt. John Charles DePew, USA, son of Col. (USA-Ret) and Mrs. John L. DePew of 1671 Castilleja Ave., Palo Alto, Calif. Parents of the bride are Mr. and Mrs. Robert Brainard Vaile, also of Palo Alto.

The bride was given in marriage by her father and had as her honor attendant, Miss Mikel Ann Edelen and as bridesmaids Misses Myrnae Scott, Barbara Mahle and Betty Taylor. Lt. Eugene P. Flannery was best man and ushers were Lts. E. P. Reese, Jr., J. R. Denton, Jr., and Mr. David P. Vaile, brother of the bride.

Mrs. DePew attended Mills College and is a graduate of San Jose State College, where she was a member of the Kappa Alpha Theta sorority. Her bridegroom, USMA '60, will serve temporarily at Ft. Benning and Sill, before going to Hawaii for permanent station.

WILEY-SCOVILLE—In the Chapel of the Centurion, Ft. Monroe, Va., 29 June, Miss Barbara Joan Scoville, daughter of Col. (USA) and Mrs. John Newman Scoville of Ft. Monroe, became the bride of Lt. Noble James Wiley, III, USA, son of Colonel (USA-Ret) and Mrs. Wiley, Jr., of Largo, Fla.

With her sister, Mrs. George K. Baldry of San Diego, Calif., as her matron of honor, the bride was given in marriage by their father, and chose as her bridesmaids, Misses Lydia Arnold, Nancy Thompson and Joan Walker. Lt. Trent Crosby served as best man and ushers included Lts. Charles Hamberg, Gerald G. Epley, Jr., and Gerald Chapman, Jr.

Mrs. Wiley, a graduate of Stephens College, has been employed by American Airlines in Washington, D. C. Lieutenant Wiley was graduated last month from the USMA, and after 10 August, he and his bride will be at home at Ft. Benning, Ga.

FISHER-MEANS—Col. (USA) and Mrs. Dale Eugene Means of 1525 Webster St., Palo Alto, Calif., announce the engagement of their daughter, Julie Meredith, to Mr. John William Fisher, son of Mr. and Mrs. J. Norman Fisher of Dubois, Wyoming.

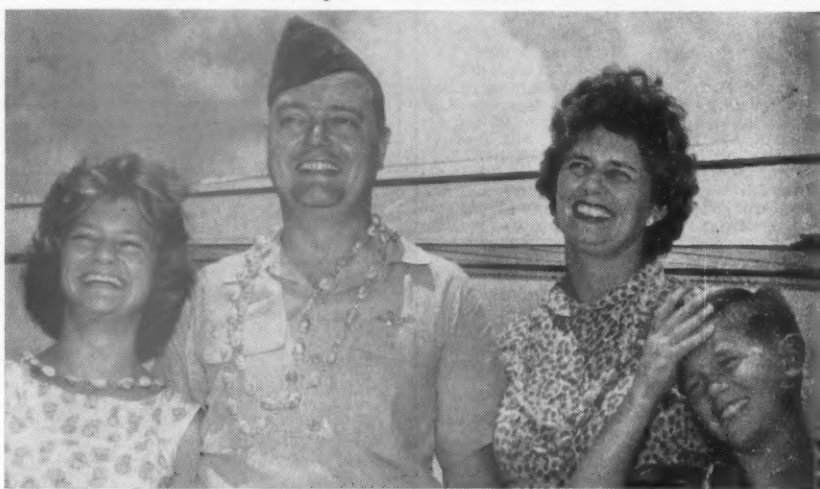
Miss Means whose father is Professor of Military Science at Stanford University, studied in Germany, Switzerland and France, and attended Salem College in North Carolina and Stanford. She is the niece of Col. and Mrs. John P. Kennedy of Fayetteville, N. C., Col. and Mrs. John A. Ford of Ft. Lee, Va., and of Brig. Gen. and Mrs. Norman E. Youngblood of Washington, D. C. Her brother is Cadet Dale F. Means, USMA. Mr. Fisher, a graduate of the Shattuck School and Stanford University, will receive a commission as 2d lieutenant in the U. S. Army in September, and the wedding is planned for that month in Palo Alto.

HANSEN ELLISON—The Ft. Hill Presbyterian Church, Clemson, S. C., was the setting for the afternoon ceremony uniting in marriage Miss Anne Rankin Ellison and Mr. Edwin Lewis Hansen on 9 July. The bride is the daughter of Col. (USA-Ret) and Mrs. Marvin Columbus Ellison of 214 Strawberry Lane, Clemson, and the bridegroom is the son of Mrs. Edwin Lewis Hansen of Fredericksburg, Va., and the late Mr. Hansen.

Attending the bride, who was given in marriage by her father, were her sister, Mrs. Edward Chapman, Jr., of Birmingham, Ala., as matron of honor, with Misses Anna Addison, Alison Dupre, Harriet Pape and Barbara Hansen, sister of the bridegroom, as bridesmaids. Mr. Philip A. Riegner served as best man for his cousin, and groomsmen were Messrs. D. H. Craighill, J. W. Felton, Jr., R. F. Lyle, F. D. Malone, J. M. Turbidity and W. H. Short.

Mrs. Hansen is a graduate of Duke University, where she was a member of the Alpha Phi sorority. Her bridegroom is a graduate of the University of Virginia Law School and a member of the Kappa Alpha social and Phi Alpha Delta law fraternities. He served with the Army's Corps of Engineers.

Following a honeymoon in Acapulco, Mexico, the couple will make their home at 34 Roswell Court, Atlanta, Ga.



COLONEL Edward P. Foote, new Commander of Naha AB, Okinawa, is greeted with his family at the flightline. His daughter, Sally, Mrs. Foote, and son, Ted, all wearing the traditional Okinawan welcoming lei of momogai shells, join the colonel at the ceremonies.

NILLES-COOK—Lt. Col. and Mrs. George S. Cook of Fairchild AFB, Wash., have announced the engagement of his daughter, Gail, to Mr. Clifford James Nilles, son of Mr. and Mrs. Peter Nilles, Medical Lake, Wash.

Miss Cook is also the daughter of Mrs. Carolyn J. Cook of Hampton, Va. A Fall wedding is planned.

Col. Simon Heads Air Defense Group

Col. Lincoln A. Simon, G-4 of the Army Air Defense Command, has been named to succeed Col. Michael J. Krisman as the 2d Artillery Group and Ft. Niagara, N. Y. Commander.

Colonel Krisman will attend the National War College at Ft. McNair, Washington, D. C.

Colonel Simon is a USMA '39 graduate.

B/G Designee To Europe

Col. Selwyn D. Smith, Jr., Chief of the Advanced Study Group, Army War College, Carlisle Barracks, Pa., who has been nominated for Brigadier General, will be assigned to the U. S. Army Europe in August.

Brig. Gen. Herbert V. Mitchell, Adjutant General of the U. S. Army Europe, retires 31 July after more than 30 years active service.

L/C Kise To Copenhagen

Lt. Col. Charles D. Kise, 7623 Essex Avenue, Springfield, Va., assigned to the Office of the Army Assistant CofS, Intelligence, will depart Washington next February for Copenhagen, Denmark, where he will be Assistant Army Attache.

New Building For Map Service

Construction has begun on a \$1.6 million Cartographic Engineering Building for the Army Map Service at Brookmont, Md. Col. Frederick O. Diercks commands the Map Service, which has field offices at San Antonio, Tex.; Providence, R. I.; Kansas City, Mo.; and Louisville, Ky.

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DRIFTER DECORATED

LCdr. Beaumont M. Buck, has been awarded a letter of commendation by the Secretary of the Navy for outstanding performance of duty from 27 January to 27 February 1960, as Project Officer assigned to Drift Station Bravo, a remotely located drifting ice station in the Arctic Ocean.

The citation points out that Commander Buck was "assigned the mission of securing, installing, and operating various types of sensitive scientific equipment in order to investigate experimental passive defense systems against submarine operations in the Arctic" and that he "succeeded in achieving his objective within a critical deadline despite a lack of equipment and unusually harsh Arctic weather."

Commander Buck is presently assigned as Anti-Submarine Warfare Officer in the Office of Naval Research.

He resides with his wife and two children at 1606 Pinewood Street, Falls Church, Va.

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NEPTUNE

Army Orders

From page 21—

Berley, M/Sgt Bonnie
Brandon, Sfc E C
Camden, M/Sgt R T
Cone, M/Sgt F A
Fennimore, M/Sgt
Earle E
Freeman, M/Sgt C
Gresham, S/Sgt T L
Hamonds, M/Sgt N
Hendrix, Sgt Lionell
Hinojosa, M/Sgt G, Jr
Jenkins, M/Sgt A E
King, Sgt Wm
Love, Sfc Denver
Reeves, M/Sgt W C
Smithwick, Sgt C W
Standley, M/Sgt C A
Vernier, M/Sgt J H
Wheatley, M/Sgt L P
Wootan, Sfc Jas H
Wright, M/Sgt J K
Wright, M/Sgt D E
Robertson, Sfc C D
Alba, M/Sgt A D
Bechtol, M/Sgt J L
Cole, M/Sgt James U
Gray, M/Sgt Robt F
Mikulak, M/Sgt J P
Newcomb, M/Sgt L
Dampsey, M/Sgt J M
Andrews, M/Sgt L G
Betts, Sfc Charles E
Bryant, M/Sgt H T
Canonigo, Sfc M
Canup, 1st Sgt T S
Crane, Sfc Thos J
Crews, M/Sgt Gary A
Dye, M/Sgt Elbert L
Featherston, M/Sgt
Earl W
Garrett, M/Sgt F W
Harrist, M/Sgt Joe H
Hendrix, Sfc Harold

Raborn, M/Sgt H M
Samples, M/Sgt A F
Sheehy, M/Sgt C M
Wanker, Sfc H E
Williams, M/Sgt J E
Lewis, M/Sgt C I
Cooper, M/Sgt E M
Murphy, Sgt Jos T
Brooks, Sfc R R
Crockett, Sp5 John V
Gill, Sp7 Robert J
Malonson, M/Sgt R W
Malzone, M/Sgt G A
Williams, Sfc Cleonis
Bitting, S/Maj N C
Cantrell, M/Sgt C A
Conley, Sfc Arvill
Davis, Sgt Clarence A
Fokes, Sgt Roy C
Garcia, M/Sgt Thos R
Gregorin, M/Sgt R R
Hudson, M/Sgt J H
Keessling, M/Sgt E L
Kelley, M/Sgt M F
Kerr, Sfc Maxwell, Jr
Koch, M/Sgt W G
Maddock, Sfc Wm H
Millsap, M/Sgt D
Moran, Sgt G C, Jr
Myers, Sfc Theodore
Peddicord, S/Sgt W H
Power, Sp4 Joseph R
Puryear, 1st Sgt H K
Schimmel, Sfc R L, sr
Schlesinger, Sfc J E
Shinn, M/Sgt Wm F
Troyer, Sfc Ernest H
Vaughn, M/Sgt Dan
Whitmer, M/Sgt W L
Whitman, Sfc L L
Wright, M/Sgt H W
Wurster, Sfc Fredk R

ENLISTED MEN RETIRED—

Smothers, Sgt John W, as Lt Col.
Bush, M/Sgt Weaver L, as Lt Col.
Holcomb, Sfc Joe A, as 1st Lt.
Swallow, 1st Lt James, as CWO-2.
Williams, M/Sgt Elwood E, as Capt.
Bailey, M/Sgt Robert C, as Lt Col.
Emmerling, M/Sgt Frank, as Capt.
Hope, Sgt Charles W, as Maj.
Grevenberg, M/Sgt Dudley L, as 1st Lt.
Sallettes, M/Sgt Peter J, Jr, as Maj.
McDonough, M/Sgt William P, as CWO.
W-2.
McGuire, Sgt Hugh C, as Maj.
Luce, M/Sgt George H, as Lt Col.
Balliet, Sfc Thomas G, as Lt Col.
Wood, Sfc Warren W, as CWO-2.
Lusk, M/Sgt Haywood W, as Capt.
Phillips, M/Sgt Francis J, as Lt Col.
Reid, Sgt Robt F
Baker, Sgt Edwin A
Van Vorst, Sfc Thos H
Briggs, Cpl H R
Campbell, Sp3 W G, Jr
Hudgens, Pfc D K
Morse, Sgt D F, Jr
Scott, Sgt Geo W

USAF Orders

From page 9—

Chief Warrant Officer

Zumwalt, W-3 B C Reese, W-4 Robt H
Fox, W-3 Thos A Bright, W-3 Harry C
Thompson, W-3 W M German, W-3 Robt D
Amis, W-2 Wm F

OFFICERS TO TEMP DISAB RET LIST—

Whereatt, Capt W K Tarlin, Capt Edw D,
Brewer, Capt Dean E as Maj

RESIGNED—

Austin, Lt Col (Maj) George N.
Deminio, Maj Charles B.
Tisdall, Maj (Capt) Artyv T.
Bentley, Capt Ralph L Dow, Capt Paul C, Jr
Kampsen, Capt T R Marini, Capt A P
Phillips, Capt (1st Lt) William W.
Clarke, Capt (1st Lt) Robert F.
Anderson, 1st Lt John J.
Allen, 1st Lt Fredric A.
Huey, 1st Lt Brooks T.
Fischer, 1st Lt George I.
Patterson, 1st Lt Robert E.
Ushkow, 1st Lt Elliott A.
Heldrich, 1st Lt George C.
Montgomery, 1st Lt (2d Lt) James W, Jr.
McElwee, 1st Lt Robert T.
Vaughan, W-2 Charles F.

B/G Bastion Corps CofS

Brig. Gen. Joseph E. Bastion, Jr., has been reassigned from Assistant Division Commander, Fourth Infantry Division in Germany, to CofS, V Corps.

FORMER ARMY ASST. SECRETARY ON BELL BOARD

FORMER Assistant Secretary of the Army Fred Korth, President of the Continental Bank of Fort Worth, has been appointed to the Bell Aerospace Corporation Board of Directors. He served as a lieutenant colonel in the Air Transport Command during WWII.

He was Assistant Secretary of the Army from 1952-1953.

Bell Aerospace Corporation, a wholly-owned subsidiary of Textron, Inc., was formed 1 July. It is composed of three divisions: Bell Aerosystem Company of Buffalo, N. Y.; Bell Helicopter Company of Fort Worth; and Hydraulic Research and Manufacturing Company of Burbank, Calif.

Other directors named to the Bell board are Harvey Gaylord, President of Bell Aerospace Corp.; John B. Bierwirth, Chairman of National Distillers and Chemical Corp.; Leston Faneuf, Bell Aerospace Corp.; Royal Little, Chairman of the Executive Committee of Textron Inc.; George William Miller, President of Textron Inc.; J. Fred Schoellkopf, IV, President of Niagara Share Corp. of Buffalo; and Rupert C. Thompson, Jr., Chairman of Textron Inc.

PERMANENT PROMOTIONS—

To Major

W/DR 60

24 Jun: Donegan, Charles E; Meier, George E, Jr; Alverson, Richard C.
25 Jun: May, Edward S; Burriss, Richard C; George, Jack L; Leonard, John H; Rottman, C W, Jr.
26 Jun: Clem, James H.
27 Jun: Baxter, William D; Shuler, Lucien B; Lovette, John M; Taylor, John H.
28 Jun: Hicks, Arlie H, Jr; Hammer, Edson G; Wilson, Scott E; Bradford, Joseph E.
30 Jun: Phelan, James; McCormick, Thos W; Thompson, Leslie S, Jr; Young, Kendall S; Stotts, James C; Snedden, H E, (MC); Spada, F J, (MC).

To Captain

24 Jun: Hickenbottom, Richard; Moore, Arthur M, Jr; Gregory, Jack I; Tichenor, Robert T; Shubert, Richard E; Hall, Curry W; Gibson, Charles R; Colson, Zack, (ChC).
25 Jun: Smith, Curtis R; Hammonds, John I, Jr; Bradley, James H; Prendergast, George G; Duncan, Carl W, Jr; Austin, Hugh S; Carns, Donald L; Olsen, Larry R; Dean, Kenneth S; Flammer, Philip M; Edwards, William O.
26 Jun: Ernce, Charles A; Wilkinson, James A; Horne, Terrell E; Black, Odell S; Barrett, John O; Black, Byron E; Lackey, Lester L; Davis, Paul D, (ChC).
27 Jun: Scotty, Leonard R; Ulrich, Donald E; White, John; Vehling, David R; Bennett, Jeff D; Adler, Gerald J; Freeman, Richard M; Kubach, Richard J; Rasmussen, Benedict O; Beran, George W; Dean, Robert V; Chu, Manuel; Heim, Charles K; Betts, Richard L; Cook, Fletcher M, Jr; Rodger, William E.
30 Jun: Sallade, R E; Lemole, S R; Nithser, F R; Perry, John S.

To 1st Lieutenant

30 Jun: Morton, Allan W.

To CWO-4

26 Jun: Knight, Joseph W.
27 Jun: Moren, Stephen A.

To CWO-3

24 Jun: Spain, David S.
25 Jun: Gibbons, William J; Tomazich, Walter.
27 Jun: Rue, Helmer O.
28 Jun: Hayden, Harold C.
30 Jun: Reynolds, Warren E.

REGAF PROMOTIONS CONFIRMED—

To Captain

Simonet, Kenneth A; Reams, Gerald B, (MC).

To 1st Lieutenant

Raymond, Robert M.

Wisconsin Sector Chief

Col. James Lauritz Low, has been assigned as Wisconsin Sector Commander, XIV Army Corps. He succeeds retiring Lt. Col. Berlyn McLaughlin.

Colonel Low, his wife, Louise, and their four children reside at 7031 Villard Street, Milwaukee.

REGAF APPOINTMENTS—

As Captain

Cavatoni, Teresa, (NC); Longbottom, Vera M, (NC); Parish, Gene D, (DC); Doyle, Bernard J, (DC); Jungmans, J A, (DC); Barton, Johnny M, (MC); Bopp, R K, (MC); Brown, William K, (MC); Eddy, D D; Hahn, Donald P, (MC); Houck, R J, (MC); Martin, Neil D, (MC); Mohr, G C, (MC); Ol, R H, (MC); Rambeau, J C, Jr, (MC); Sayther, K D, (MC); South, E P, (MC); Wolfe, David C, (MC).

As 1st Lieutenant

Fresques, Frank J; Slivka, William R; Yates, John R; Adams, Catherine B, (NC); Adams, Mildred, (NC); Anderson, Hazel E, (NC); Borden, Mary B, (NC); Farrell, Patricia A, (NC); Harris, Bette J, (NC); Haskins, Helene R, (NC); Marquez, Edith, (NC); Miyagawa, Cora H, (NC); Parry, Barbara J, (NC); Melichar, J F; Moyer, Donald L;

Nisley, K J, Jr; Riley, Leonard W, 3d; Sanders, James B, Jr; Schmidt, Francis J; Seh, Robert H, Jr; Slauson, John P; Syracusa, A S; Wardell, Ronald S; Whitcomb, Robert J; Arndt, Fredrick W; Barry, Daniel P; Baumann, Philipp H; Boatwright, Charles A; Boss, Ronald G; Byam, Richard E; Ceriano, Vincent P; Clambrone, Thomas W; Dixon, Gerald; Dufresne, Ronald C; Engel, Robert H; Fessler, George R, Jr; Freed, Darryl W; Hanlon, David E; Jennings, Charlie J; Johnson, Ernest C; Kelly, Dana K; Leppert, Milton H; Hyland, P H, (DC); Bauermeister, Milton L, (MC); Brown, Horace J, (MC); Chapman, Calvin C, (MC); Coursey, John W, (MC); Dunn, Jared M, (MC); Dyer, James W, (MC); Igelman, Jon M, (MC); Major, Francis J, Jr, (MC); Weg, John G, (MC).

As 2d Lieutenant

Distinguished Mil Grad, AFOTC

Buell, D D, Jr; English, Everts B, 3d; Leedy, C K; McCarty, Charles M; Socolofsky, J L; Strub, F R.

Distinguished Avn Cadet Grad

Bouska, R C; Croninger, C H.

Distinguished Offer Candidate Grad

Thompson, Susan J.

CORRECTION—

Jarnagan, Col James L, prev ors re his rsg fr Orlando AFB to 1127th USAF Fld Acty Gp, Hq Comd USAF, Ft Belvoir, Va, IATR "Jarnagin, Col James L."

Maj. Anderson At Ft. Sam

Maj. Farrell B. Anderson has been assigned Chief, Military Affairs Division, Fourth Army Judge Advocate Section at Ft. Sam Houston, Tex. He arrived from the Judge Advocate General School at Charlottesville, Va.

Christy, Maj Lynne E, prev ors re his rsg fr Wash, DC, to 9th Aeromed Evac Sq, Pac AF, APO 323, SF, IATR "Christy, E Lynne."

Stanton, Capt Percy E, prev ors re his ret, IATR "ret as Maj."

AIRMEN RETURNED TO RET STATUS—

Teat, M/Sgt Gerald A.

AIRMEN RETIRED—

CM/Sgt: Quade, William L, as Capt.
M/Sgt: Eldredge, Kenneth E; Bennett, William J, as Capt; Becraft, Robert O; Lanier, Curtis H, as CWO-2; Staton, Alvin L; Ferry, Harry L, as Maj.
T/Sgt: Smith, Edward; McSweeney, John J, as M/Sgt; Shunk, John H, as M/Sgt; Gibson, Robert.
S/Sgt: Palsley, Norman L; Rohrer, Lewis N; Harwood, Francis M, as LtCol; Dixon, Muriel O; Lima, Peter; Lagoy, Vincent A.
A/1C: George, Lee E; Young, Jerry L; Bannon, George A, as Maj.
A/2C: Daughtry, Edward.

Marine Corps Orders

From page 14—

Wiley, Barry H, MCS, Quant, to ForTrps FMFPac.
Delp, Barrie O, 3d Mar Div, to 2d Mar Div.
Brownrigg, Richard A, NSA, Pncla, to MCB CampPen.

To USA Arty & Missile Schol, Ft Sill

Bateman, John H, PI SC.
Schmidt, John E, 2d Mar Div.

To 3d Mar Div

Kazalunas, John, 2d Mar Div.
Steffen, Allan J, 1st Mar Div.
Robinson, Lucian C, MCS, Quant.

To 2d MAW

Scovell, Jay D, 1st MAW.
Bartlett, Stephen C, 1st Mar Brig.
Lammerding, Richard L, NAATC, CorpC.
Dickey, Charles R, MCS, Quant.
Carolan, Frederick A, 1st MAW.
Kerce, Herbert M, 1st Mar Div.

Krom Kingsville, Tex:

Huff, Edwin L Omrod, George R
From NAS, Pncla: Kavanagh, C W
Devries, Ary L

To MCS, Quant

Knowles Robert C, Jr, 3d Mar Div.
From ForTrps, FMFPac: Polyak, George R
Creamer, J J Szafranski, L J, Jr
Thompson, Daryl W
From 1st Mar Div: Harte, James H, 3d
Benjamin, William D
Doughty, Clifford C

To MAD NABTC NAS, Pncla

From 1st MAW: Gleason, Richard E
Twidell, George E
Embry, John P J
From 2d MAW: Jessik, Louis C
Allen, Robert R
Durrant, John D

2D LIEUTENANT

Kerrigan, Richard T, HqMC, to CG MCS
CamPen.
Turbeville, Bobby G, HqMC, to MCS, Barstow, Calif.
White, Richard, Ft Bliss, to CG ForTrps FMFPac.
Schoaff, John W, NAS, Pncla, to MAG-26.

To For Trps, FMFLant

From MCS, Quant: Tobin, James P
McGorty, Donald J
Scarborough, Harold D

Turkey To Ft. Sam

Lt. Col. George A. Rigely has been assigned Chief of the Administrative Management Office, Fourth Army Adjutant General Section, at Ft. Sam Houston, Tex. He arrived from Turkey where he was Personnel Advisor with the Joint American Military Mission for Aid to Turkey, for the past 22 months.

With his wife, Helen, and children, George, Jr., 18, and Lynne, 10, Colonel Rigely lives at 260 Lang, Ft. Sam Houston.

To MCS, Quant

Criscuolo, Gerard P, 1st Mar Div.
Murphy, John F, Jr, CorpC.

From NAS, Pncla:

Haller, L J, Jr Augenthaler, W W
Channell, Wiley B Price, Michael J
Grace, Daniel V, Jr

To ForTrps, FMFPac

White, Richard, Ft Bliss.

From MCS, Quant:

Anderson, W T, Jr Laing, Michael W
Brown, Bruce G Margolis, Myron E
Connors, Donald N Smith, Wayne C
Driskell, James M

To 2d MAW

From Kingsville, Tex: Graham, Robert E
McCormack, Frank J Tristany, John P
Roberge, Ben B
Thomas, James A

To 1st Mar Div

From MCS, Quant: Santulli, Andrew J
Bjork, Marshall L Siggard, Keith S
Griffin, Francis R Ayers, Ronald A
Hollenbeck, Peter Cobble, Robin W
Miller, Thomas P McLean, Verne F, 2d
Mosteller, R E, Jr Pond, Robert C
Munzo, Peter Williams, Charles A
Francis, E L, Jr

To 2d Mar Div

Fricker, Jerrell T, MCS, Quant

From ForTrps FMFLant:

Macdonald, G E Marsh, John G

To 3d Mar Div

Solter, Harry L, NAS, Pncla.

From MCS, Quant:

Bragan, David F Keal, William M
Canella, Charles E Kraus, Gordon L
Evans, George L Rau, Robert L
Huckaby, Richard H Smith, Roger H

CHIEF WARRANT OFFICER

Marks, Robert E, Jr, 1st Mar Div, to MCS
Albany, Ga.
Sprague, Lee N, 2d Mar Div, to MarCorps
Comp NAG, Korea.

WARRANT OFFICER

Garris, Berle, HqMC, to ForTrps FMFLant.
From MCS, Quant, to Station Indicated:
Downes, Edward A G, CO MAD NABTC JAX
Clemm, Kenneth W, 2d Mar Div.
Drawdy, Joseph C, 2d MAW.
Doyle, Duane R, 1st Mar Div.

RETIRED

Colonel

Bigler, James C Hughes, Richard D
Brower, James H Marks, Alfred H
Bunker, Alexander G Mattison, Clyde T
Carney, Edward B McCormick, W S
Carroll, George N McGill, William N
Clark, Lawrence B Noon, Thomas J
Damke, Kenyth A Parks, William F
Davis, John M Price, Edgar O
Davis, Leonard K Ruffin, George C, Jr
Delano, Lewis H Scott, Robert F
Fry, Ernest W, Jr Speckman, Peter J

S.O. 147 Promotions

From page 4—

Garbett, J. A. ANC
Hoot, P. A. OrdC
Imley, W. N. MSC
Jackson, W. S. SigC
Johnson, E. K. Arty
Johnson, R. T. OrdC
Johnson, W. L. Inf
Morgan, F. M. jr. MSC
Morrill, D. P. Arty
Moseley, R. L. Inf
Olson, C. R. Arty
O'Neill, R. J. Inf

Schrodetzki, R. L.
Arty
Sheley, P. M. Inf
Singletary, W. S. jr.
MSC
Slocum, D. K. Arm
Sova, F. J. Inf
Van Wagner, G. W.
Inf
Westermarck, R. T. jr.
MSC

Gallagher, F. E. jr
Games, Edmund B
Groves, Gould P
Holmes, Merlyn D

Lt Colonel

Belzer, Thomas R
Bookhart, H. U. jr
Boro, Eugene V
Bullock, Harry H
Doolen, William H
Elder, John F
Fraser, Loren S
Gardner, Earl W
Giles, Walter R
Hargrave, B. S. jr
Henry, C. A. jr
Hoey, Robert J
Howell, Robert S
Kean, J. W. jr
Kellum, William C
Kerrigan, Thomas C
Lindsay, James C
Longley, Carl M
Lyon, Julian V
Manfull, Daniel M. jr

Major

Baughman, P. H
Burth, Alvin W
Bradshaw, Frank L
Ciala, George
Cutler, Thomas H
Epplin, Anthony R
Fowler, Charles C

Captain

Atcheson, George S
Arthur, Charles L
Baranski, Walter J
Carney, Robert B
Cole, James E
Fort, W. P. jr
Garcelon, F. F
Gottapponer, Leo J
Gresham, John F
Guillford, Charles T
Harrington, W. P
Kouba, Joseph
Losten, John
Starnater, Burnell E. jr
D'Angelo, John J.

1st Lieutenant

Good, Hubert M
Kisner, Paul E. jr
Jones, Robert A. jr

2d Lieutenant

Gould, George F

Chief Warrant Officer

Boteler, W-4 E M, jr
Davis, W-4 Perry W
Carter, W-3 Arthur O
Johnner, W-3 Anton M
Martinko, W-3 H J
Prekup, W-3 Robert
Pollock, W-3 L H
Sparks, W-3 Sidney
Tates, W-3 E A, jr
Blankenship, W-4
Thomas P
Booker, W-2 D P, jr

TO TEMP DISAB RET LIST

Colonel

Asmuth, Walter, jr
Bowen, Robert O
Curran, Michael S
Merby, Kenneth D
Metze, Albert F
Nelson, Clyde R

Lt Colonel

Drake, Edward H
Stewart, Marvin C

Major

McCluskey, W. T
McCurdy, Russell J

Captain

Harrison, Charles L
Neuman, Max L

1st Lieutenant

Blume, Irvine D
Reed, Francis J

2d Lieutenant

Reed, Francis J

Chief Warrant Officer

McCool, W-3 Felix J

HONORABLY DISCHARGED

Connor, 1st Lt Charles T. pd.

Air Force Names A/D Reserve Majors

THE following active duty Reserve officers are among the 665 Air Force Reservists recommended for promotion to permanent Reserve major. They will be promoted at intervals between now and the end of 1961.

Abel, Albert C
Adam, George E
Ainslie, Harry S
Akin, James F. jr
Alberti, John A
Alford, Philip E
Allard, Robert L
Allen, Fred L
Allen, Oakley H
Anderson, Clarence L
Anderson, Everett
Arndt, Roy V
Arnett, Charles W
Atha, Harry R
Atkinson, Earl O
Auten, Dean M
Azeltine, Allen W
Bahelka, Matthews
Baker, Jack W
Baldwin, Richard H
Baltazar, Jesse M
Bandow, Harry E
Barnowski, G. A.
Barnard, John O. jr
Barnes, Robert E
Barnett, Willis O
Bartholomew, H. H.
Barutt, John P
Basler, Charles W
Batchelor, Ross M
Bates, Richard J. jr
Bathurst, William D
Bauler, Edward K
Bausch, Norman C
Bawden, Robert J
Baxter, Charles L
Beahan, Bradley F
Beard, Gordon K
Becker, Robert H
Beckman, Marvin L
Beers, John D
Beightol, Ward W
Bell, John W
Bement, Russell P
Benedetti, Robert J
Benson, Horace M
Bergman, Vincent N
Berry, Jack E
Beshoe, Ralph J
Bevan, Kenneth W. A.
Birch, Donald A
Bissinger, Eugene T
Bixler, Charles G. jr
Blakely, David H
Bland, Steven
Blankemeier, John F
Blunt, Robert O
Bohl, Francis E
Bolton, Max C. jr
Bouchard, James E
Bouton, Forrest E
Bowes, Kenneth D
Bowler, Ward A
Bowman, Orville C
Boy, Albert J
Boyd, Arthur L. jr
Brady, Earl M
Brannon, George D
Brantley, Charles V
Brennan, Toms M
Bringle, Frank S
Bristol, Guy R
Brooks, Roscoe J
Brown, Billy D
Brown, Lawrence A
Brown, William A
Browne, Thomas R
Budney, Conrad C
Bumgardner, R. A.
Burch, Van T
Burge, A. F. jr
Burger, Carl E
Burger, Roy L
Burke, Vernon W
Busbee, Lonnie
Bushong, Richard S
Byma, Allan A
Cailion, Raleigh S
Camp, Lowell E
Campbell, Joe J
Campbell, R. D. jr
Cannon, Elmo H. jr
Cantu, Carlos
Carey, Wayne A
Carleton, Dean
Carpenter, C. L.
Carr, Aris L
Carr, Robert B
Carter, Frederick W
Casey, Edward J
Cassidy, Catherine M
Cepka, Joseph W
Charbula, Jesse F
Charles, Elliot B
Cherry, Harold M
Chesnut, Guy C. jr
Clark, Roscoe O
Clayton, King S. jr
Clower, James C
Coley, Perry N. jr
Collins, Edward L
Conlan, Edward T
Coombe, Richard L
Coppinger, John J
Corkill, Albert D
Corkran, Jack A
Cotea, Albert J
Cox, James H. jr

Crawford, Donald J
Creighton, Mark T
Crownover, L. S.
Crowson, Earl E
Crowston, Robert H
Culley, Terance D
Cunningham, K. L.
Curry, Robert F
Daerr, Richard L
Danner, G. W. jr
Dauber, Addis L
David, Raymond E
Davis, Daniel W
Davis, Lester R
Davis, Ralph C
Davis, Richard F
Davis, R. W. sr
Dawes, Thomas R
Deal, Melvin L
Debolt, Ray W
Debonia, Delmont L
Dennis, Jack D
Derle, Arthur A
Diamond, Melvin
Dickerson, M. W.
Dietz, Robert F
Dillon, Paul A
Diorio, John S
Disler, Robert F
Donnelly, Ralph C
Dowdy, Robert A
Drake, Edward C
Dressner, Frank O
Duff, Charles T
Dunn, James E
Dunn, Louie E
Dupaul, Melvin L
Dutton, Oliver F
Eckard, Robert L
Eckl, Joseph W
Ehlert, Curtis R
Elam, John S. jr
Elliott, Jack M
Ellison, Jesse H
Ellison, Warren H
Elskes, Sidney J
Emery, Paul R
English, Holace L
Ewart, John A. sr
Fagen, Ben W
Farmer, Percy M. jr
Farris, Curtis N
Favor, John E
Fergus, Lawrence J
Field, James E. jr
Fields, William B
Fisher, Franklin C
Flack, Douglas J
Flake, Frank T
Flower, Bert J
Fontaine, Charles E
Foss, John M
Frank, Herbert W
Fraser, Frank E. jr
Freed, George S. jr
Freeth, Stanley C
Freitas, Frank J
French, Arthur S. jr
Fritz, Harold R
Fritzinger, R. W.
Funk, William M. jr
Furnas, Roy, jr
Gagnon, Robert E
Gardner, Samuel C
Geisler, Armin A
Giblin, Robert E
Gieb, Michael, jr
Gingerich, Cleo D
Glarow, George
Glore, Robert G
Gonzales, Archibald
Goodin, James T
Goslin, Joseph E
Gottschall, Roger W
Goudy, Victor
Goul, Robert F
Grady, Raymond F
Green, James R
Grese, Frank
Griffis, Lester T
Grimm, Walter J
Guell, Manuel
Gurney, Irving K
Gurr, Kenneth W
Hadley, Robert T
Hainley, Delbert C
Hamilton, W. H.
Hancock, Myron S
Harkins, Hugh G
Harper, Don P
Harris, Melvin L
Harris, William B
Harris, William H
Hart, Jack W
Hart, Joe T
Harwood, Robert I
Hawkes, Merlin A
Hawkins, John R
Hecker, Robert G
Hemlingway, D. W.
Henderson, John G
Henlon, Roy L
Hepler, W. D. jr
Herman, Arnold L
Herman, Arthur E
Herman, Joseph J
Hilton, William K
Hoffman, Gilbert L

Holland, Maurice H
Holmes, Edwin H
Holmes, George H
Horn, Aubrey P
Horner, Donald H
Horstman, Melvin C
Howard, William F
Hrabko, William
Hreackmack, J. M.
Huber, Charles A
Hudburgh, George D
Hudson, Donald W
Hunt, Richard B
Hunter, Marcellus L
Hurley, John E
Hutcherson, B. A. jr
Hutchison, W. C. jr
Hutton, Harry C
Ingraham, John W
Jablonski, Arthur C
Jacobs, David
Jamison, L. R.
Jammie, Walter J
Jarvis, James J. jr
Jaycox, Raymond E
Jenkins, L. M. jr
Jewell, B. E. jr
Johns, Milton E
Johns, Slaton L
Johnson, Bernard E
Johnson, Byron T. jr
Johnson, Elmer D
Johnson, Leonard G
Johnson, Robert D
Jones, James G
Jones, James T
Jones, Willis M. jr
Kalish, John L
Kaylor, John W
Kearby, Charles R
Keegan, John W
Keiser, William L
Kelleher, Edward M
Kelly, Emmitt W
Kelly, Norman
Kirk, Miles J
Kirkpatrick, John B
Klapthor, C. J.
Kleine, Kenneth E
Knieling, Crist
Knight, F. W. jr
Knox, James E
Knutson, Clinton S
Kridner, Robert E
Krohn, Charles E
Krol, Sylvester
Lafferty, James C
Lafon, Lahma W
Landry, Marvin J
Lang, T. H. jr
Latham, Keith S
Laurier, William, jr
Lawson, Robert W
Lentz, Don W
Leptic, Lawrence J
Lethbridge, H. B.
Levenberg, Ralph
Lewis, Clifford B
Lewis, Thomas R
Lila, Paul P
Lloyd, Leroy L
Locke, W. W. jr
Long, William D
Lopez, Ruben S
Loveless, David W
Lovell, Ralph O
Loving, Arlon D
Love, W. S. jr
Lutz, James P
Lyle, Joe, jr
Lyle, Willis P
Lynn, James A
Maas, Peter R
MacFarlane, Herb W
MacPhee, Robert B
Magill, Milton H
Maginnis, C. S. jr
Mahan, Ivan F
Maney, Garrett C. jr
Mango, Patrick J
Mariades, Christ P
Marple, Earl C
Martin, James H
Matassa, Thomas A
Matthews, Doyle B
Matthews, Henry E
Mayes, Hoyt B
Mayhall, W. F. jr
McClarnon, M. M.
McCollister, Chas. B.
McCollum, Charles K
McCool, William R
McCormick, H. C.
McCully, Elmer B
McDaniel, Byron J
McDaniel, Jacques J
McDonald, Gordon C
McElfish, Austin C
McGee, Charles A
McKenna, Donald F
McLaughlin, John J
McPadden, John F
Megginson, Ernest J
Mellinger, Jos. A. jr
Mensch, Lester N
Messenger, Martin L
Mikell, Donald L
Miller, Francis X

Miller, Stuart C
Millette, Robert A
Mills, Rodney C
Milman, Jerome
Molnar, John E
Monn, Charles O
Montgomery, K.
Moore, Edward A
Moore, Melvin J
Moore, Stephen G
Moreau, Resaire A
Morrison, Joseph I
Morrissey, F. J. E.
Morrow, Tunis D
Moss, Robert P
Mullville, Charles J
Munroe, Robert B
Murray, Lynn
Myers, Robert U
Myers, Walter M
Nadeau, Charles E
Nagle, John W
Nathan, George W
Naughton, Donald G
Neely, Robert C
Newhouse, Ernest H
Newman, Bobby D
Nichols, James L. jr
Nickerl, Frank
Nuschke, Edgar E
Nutter, Alan V
Oneck, Russell E
Ondes, Clarence A
Ormsby, Kenneth E
Ozsvath, Ernest J
Pace, Ben F
Palank, William G
Palmer, James L
Palmer, Richard W
Palmer, William J
Parill, Dean L
Pattillo, William T
Paulson, Delbert A
Pawloski, Norman P
Payne, Charles T
Pearsall, Kenneth F
Pearson, William D
Pelleriti, R. V.
Penfield, George F
Perfill, Thomas E
Perrault, Roblee A
Pesterfield, J. E.
Peters, Kenneth R
Peterson, Dennis N
Phelps, John A
Phillips, Murray F
Phillips, Carl E
Phipps, Glenn A
Phister, Norbert V
Piekutowski, M. A.
Pietz, Elwin T
Ploughman, Henry
Podvojski, J. F.
Pohutsky, Walter J
Pollock, George W
Pontis, William F
Porouski, Isadore T
Powell, Joseph M
Powers, William J
Prado, Ralph
Prentiss, Don C
Price, James D
Prine, James R
Purcell, Edwin L
Putt, Carroll E
Quick, Jav H
Quigley, Dale T
Raby, Walter E
Ralston, W. R. jr
Rawls, Jacob L
Reab, Donald E
Redlin, Andrew J
Renshaw, David S
Reynolds, William T
Richard, Howard L
Richeson, Donald A
Ricketts, Will F. jr
Rider, Donald L
Robert, Marc L
Robertson, John B.
Robinson, Eugene F
Rochefort, Robert H
Rogers, James A
Roiby, George A
Ronev, Johnson, III
Rosenberr, W. J.
Ross, Robert E
Rowntree, James B
Roy, Shelton H
Rovee, Frank D. jr
Rubel, William E
Ruble, John I
Ruddell, James W
Ruffer, Victor J
Ruhlander, Gene W
Rupp, Victor W
Pusden, Harry J
Rush, Richard D
Russell, Albert A
Russell, Owen M
Russo, Patrick C
Rust, Howard L
Ruth, John A
Saenz, Anthony, jr
Santstead, Harding E
Sarratt, Richard W
Sauer, Clarence O

L/C Campbell Joins XI Corps

Lt. Col. John Campbell, jr., has joined the XI Army Corps in St. Louis as G-3 after duty in Teheran, Iran.

He holds the Silver Star for gallantry, and twice was decorated with the Purple Heart. He was also awarded the Bronze Star Medal for valor, and the Combat Infantryman Badge.

Colonel Campbell and his wife live at 205 St. Benedict Lane, Florissant, Mo. They have two sons, John 12, and James, 10.

L/C Flegeal Gets Squadron

Lt. Col. Foster F. Flegeal has replaced Lt. Col. Hubert S. Campbell as commander of the 3d Reconnaissance Squadron 2d Armored Cavalry Regiment in Germany. Colonel Campbell is being reassigned to the Army War College, Carlisle Brks., Pa.

Sullivan Joins Raytheon

Leonard D. Sullivan, a WWII Naval aviator, has been appointed to the newly-created Raytheon Company post of Senior Corporate Representative in Washington, D. C. He was Manager of the central district for General Electric's Light Military and Heavy Military Electronics Department at Dayton, from 1956 to 1958, when he became manager of the Eastern District for the Light Military electronics department in Washington.

Col. D. J. Bailey, former Raytheon Washington office manager, has resigned from the firm. He plans to remain in the Washington area.

The Sullivans live at 6303 Redwing Road, Bethesda, Md.

Saxon, Emmett G
Schaefer, Gerard G
Schickram, Horace J
Schiller, George J
Schmidt, L. T. A.
Schmidt, Morton T
Schowalter, Ralph W
Schroeder, Hilmut S
Schroeder, Walter G
Schureman, Earl L
Schwartz, Eugene F
Schwartz, Norman H
Searl, Robert B
Sederberg, Don L
Senn, William R
Shannon, Rex O
Shawd, Richard J
Sheldon, Charles R
Shilling, Donald R
Shore, Raymond H
Slommore, Alfred B
Slivahop, Joseph
Skiffington, Fran C
Slaven, Thomas J. jr
Sloan, James L
Slusser, Paul W
Smiley, Albert B
Smith, Andrew A
Smith, Edgar L
Smith, Herschel B
Smith, Robert
Smith, Walter T
Snell, Jessie C
Snyders, Kenneth A
Soder, William F
Spencer, Leon B
Spencer, Thomas E
Spiller, Edward W
Sponaugle, Cyril L
Spoon, Franklin L
Sroka, Anthony W
Stafford, Arlen R
Stafford, Merle E
Stanionis, W. G.
Stearns, Granville
Steele, George H
Stokem, Frederick M
Stokes, Clinton L
Stoudt, Franklin W
Strange, Forrest L
Strange, George H
Strasshofer, Rob A
Streich, Donald P
Streich, Ray L
Strickland, J. A.
Strong, Raymond D
Studey, Warren A
Sunderland, John C
Swartz, Ralph L
Swisher, Joseph D
Sydoski, Henry J
Tarbuton, Leslie S
Tate, Luther E. jr
Taylor, Albert H
Taylor, Charles L
Taylor, George J
Taylor, James S
Terrell, Robert H
Tesi, Guido
Thomason, Ernest R
Thompson, Francis L

Thornton, Carl F
Tidwell, John E
Tomarchio, John J
Tomsic, Martin F
Tosheff, Joseph
Town, Paul E
Tracy, Donald R
Tranka, Paul F
Traynor, Raymond W
Troutfetter, Bern F
Tucker, Zedock C. jr
Twillman, H. M.
Vanhellen, R. C. jr
Vanquill, Harry L
Veatch, Charles W
Vickers, James E
Vlahos, Perry G
Voegelin, Charles G
Wachholz, Edward R
Walker, George S
Ward, Charles W
Ward, Harold A
Ward, Richard T
Warren, Thomas J.
Watt, Donald N
Weakland, Walter R
Wegner, Donald P
Weidner, Charles S
Weinacker, Adolph
Wendland, Clinton E
West, Walter L
Wharton, Donald D
Whitaker, James A
White, Wayland F
Whitt, Smith H
Whittington, F. H.
Wicks, George W
Wilder, Charles E
Wilkins, John C
Wilkes, Lester E
Wilkins, Charles E
Wilkinson, Bevis H
Wilkinson, Clifton J
Wilkinson, T. E.
Williams, Bill M
Williams, Frank D
Williams, Herbert J
Williams, Jewel W
Williams, Vant W. jr
Williams, William
Willis, Albert C
Wilson, Lyle J
Wimberly, Emmett K
Wing, Robert V
Wogsland, Lloyd L
Wolf, Donald C
Wood, Roy R. jr
Wooding, Edmund C
Woods, Robert S
Wright, Quintan, M.
Wright, William D
Yoffee, Bernard M
Young, Archibald
Young, Clifford D
Young, William F
Younk, William G
Zeletz, Stephen J
Zentz, Joe J
Youngblood, R. E.
Ziccarello, Jess V

Births • Marriages • Deaths

(No charge for Service announcements. Please print all names.)

Born

ACHENBACH—Berlin, Germany 23 Jun Sp4 & Mrs Harry Achenbach, daughter, Beverly.
AMENT—Berlin, Germany 28 Jun 1st Lt & Mrs Richard G Ament, daughter, Suzanne.
ANONSEN—Elmendorf AFB, Alaska 22 Jun Capt (USAF) & Mrs Charles E Anonsen, son, Marc Charles, a fourth generation Service child, grandson of Col & Mrs D E Ingram, Selfridge AFB, Mich, and of Mr & Mrs W A Anonsen, Minneapolis, Minn, and great-grandson of Mrs Fred C Netcher, 444 Steel Ave, Selfridge AFB, and the late Col Netcher, Mrs Anonsen is the former Dawn McGregor Ingram.
BARKSDALE—Ft Eustis, Va recently 1st Lt & Mrs Lewis B Barksdale, son.
BEE—DeWitt AH, Ft Belvoir, Va 6 Jul Maj (USAF) & Mrs Thomas G Bee, daughter.
BEEBE—Berlin, Germany 12 Jun Sp4 & Mrs Charles A Beebe, daughter, Carol.
BELFIELD—DeWitt AH, Ft Belvoir, Va 7 Jul Lt Col (USAF) & Mrs Douglas F Belfield, son.
BICKEL—Berlin, Germany, 5 Jun Sfc & Mrs Scharrrel D Bickel, daughter, Cheri.
BILLY—Brooke GH, Ft Sam Houston, Tex 1 Jul Capt & Mrs Myron D Billy, son.
BLAKE—Fitzsimons GH, Denver Maj (USAF) & Mrs Clifford H Blake, son.
BOAZ—William Beaumont GH, El Paso, Tex 20 Jun Capt & Mrs William D Boaz, son.
BOGGS—Berlin, Germany 20 Jun Sp5 & Mrs Thomas L Boggs, Jr, son, Steve.
BOWMAN—DeWitt AH, Ft Belvoir, Va 3 Jul Maj & Mrs James H Bowman, daughter.
BRITTON—Brooke GH, Ft Sam Houston, Tex 3 Jul 1st Lt & Mrs James H Britton, son.
BRYANT—Neubucke, Germany 17 Jun Sgt & Mrs Arnold F Bryant, son, Dennis.
BURGESS—DeWitt AH, Ft Belvoir, Va 1 Jul Capt & Mrs Robert A Burgess, son.
CARLISLE—Bremerhaven, Germany 4 Jun Maj & Mrs Carshall C Carlisle, Jr, son, James.
CARR—Neubucke, Germany 11 Jun Sp4 & Mrs James B Carr, son, James.
CARY—West Point, NY 26 Jun Capt & Mrs Robert E Cary, son, Michael Eugene.
CAUGHEY—Fitzsimons GH, Denver 1 Jul Lt (USMC-Ret) & Mrs Kenneth W Caughey, son.
COLWELL—Aberdeen Pr Gr, Md 1 Jul 2d Lt & Mrs Larry T Colwell, daughter, Wendy Sue.
COMFORT—Wright-Patterson AFB, O 17 Jun 1st Lt & Mrs Earle H Comfort, son.
COX—Langley AFB, Va 2 Jul Capt & Mrs Myron K Cox, 716 Sedgefield Dr, Hampton, Va, son, Eric Lane.
COX—Rodriguez AH, Ft Brooke, PR 29 Jun Capt & Mrs Robert S Cox, daughter, Nancy Elizabeth.
DEARBORN—DeWitt AH, Ft Belvoir, Va 7 Jul 2d Lt & Mrs Arthur G Dearborn, 3d, son.
DENN—Berlin, Germany 3 Jun Sfc & Mrs Thomas E Denn, daughter, Heidi.
DEUEL—Keesler AFB, Tex 1 Jul 2d Lt & Mrs Robert E Deuel, daughter, Rhonda Lynn.
DEVRIES—DeWitt AH, Ft Belvoir, Va 3 Jul Lt Col (USAF) & Mrs John DeVries, daughter.
DOUTHITT—Berlin, Germany 13 Jun Maj & Mrs Robert S Douthitt, son, James.
DRAKE—Berlin, Germany 7 Jun S/Sgt & Mrs Samuel L Drake, daughter, Shirley.
EATOUGH—Neubucke, Germany 21 Jun Sp4 & Mrs Mark E Eatough, son, Michael.
EISERT—Wright-Patterson AFB, O 22 Jun Maj & Mrs Fred J Eisert, daughter.
FAIR—Lackland AFB, Tex 5 Jul Maj & Mrs Don Fair, daughter.
FERGUSON—Lackland AFB, Tex 30 Jun Capt & Mrs Billy Ferguson, 404 Fairchild, Lackland AFB, son.
FIGUEROA—Berlin, Germany 8 Jun Sp4 & Mrs Miguel A Figueroa, son, Andres.
FIKE—Wright-Patterson AFB, O 24 Jun Capt & Mrs James I Fike, daughter.
FIREKE—Berlin, Germany 26 Jun Sp5 & Mrs George A Fikejs, daughter, Ann.
FINNERTY—Brooke GH, Ft Sam Houston, Tex 6 Jul Capt & Mrs Paul E Finnerty, daughter.
FORTUNA—Neubucke/Nahe, Germany 17 Jun Sgt & Mrs William E Fortuna, daughter, Helen Rose.
FUNSTON—Wright-Patterson AFB, O 29 Jun 1st Lt & Mrs Neal L Funston, son.
GAFFNEY—Neubucke, Germany 22 Jun T/Sgt & Mrs Orville Gaffney, daughter, Barbara.
GARDNER—Berlin, Germany 8 Jun Capt & Mrs Jack O Gardner, son, Dennis.
GOODMAN—Aberdeen Pr Gr, Md 3 Jul 2d Lt & Mrs Gerald R Goodman, daughter, Connie Louise.
GOODWATER—Gorgas AH, CZ 2 Jul S/Sgt & Mrs Walter L Goodwater, son.
GRAVETTE—Lackland AFB, Tex 6 Jul 1st Lt & Mrs Cary Gravette, 708 Fairchild St, Lackland AFB, daughter.
GRAY—Brooke GH, Ft Sam Houston, Tex 6 Jul 1st Lt & Mrs Leven B Gray, son.

GRIEF—Brooke GH, Ft Sam Houston, Tex 6 Jul 1st Lt & Mrs Edward L Grief, daughter.
HALING—Neubucke, Germany 11 Jun Sp4 & Mrs Harold L Haling, son, Ralph.
HAM—Berlin, Germany 20 Jun Sp4 & Mrs David H Ham, daughter, Joan.
HAYWORTH—Neubucke, Germany 12 Jun Sgt & Mrs Gerald M Hayworth, daughter, Gerry.
HOOD—Wright-Patterson AFB, O 23 Jun Maj & Mrs Robert F Hood, son.
HOOK—Neubucke, Germany 13 Jun Sgt & Mrs Clifford R Hook, daughter, Diana.
HOPPER—Berlin, Germany 25 Jun Sgt & Mrs Dirl E Hopper, son, Mike.
HORSTMAN—Keesler AFB, Tex 29 Jun 1st Lt & Mrs Charles R Horstman, son, Michael Andrew.
HUGHES—La Chapelle, St Mesmin, France 23 Jun M/Sgt & Mrs Raymond L Hughes, son, Michael D.
ING—Berlin, Germany 21 Jun M/Sgt & Mrs Charles G Ing, son, Gordon.
INGHOLT—Wright-Patterson AFB, O 22 Jun Capt & Mrs Harald W Ingholt, son.
JOHNSON—Wright-Patterson AFB, O 21 Jun 1st Lt & Mrs Richard W Johnson, son.
JOHNSON—Neubucke, Germany 15 Jun Sp5 & Mrs Gene R Johnson, son, Jonathan.
JONES—Aberdeen Pr Gr, Md 24 Jun 2d Lt & Mrs Stuart M Jones, son, Daniel Stuart.
JONES—Neubucke, Germany 22 Jun 2d Lt & Mrs Leonard D Jones, daughter, Karen.
KAAPE—Fitzsimons GH, Denver Capt (USAF) & Mrs Lyle D Kaape, daughter.
KING—William Beaumont GH, El Paso, Tex 20 Jun 1st Lt & Mrs Richard N King, daughter.
KINSLEY—Wright-Patterson AFB, O 16 Jun Capt & Mrs Earl L Kinsley, son.
KISTNER—Travis AFB, Calif 26 Jun Capt & Mrs Robert L Kistner, daughter.
LACOURSE—Berlin, Germany 18 Jun Sp4 & Mrs Richard L LaCourse, son, Richard L, Jr.
LAMBERTSON—Berlin, Germany 6 Jun Maj & Mrs Robert T Lambertson, daughter, Monica.
LASSITER—Langley AFB, Va 2 July 2d Lt & Mrs Robert T G Lassiter, 418 Colonial Pl, Hampton, Va, daughter, Lauri Ann.
LAWSON—La Chapelle, St Mesmin, France 28 Jun M/Sgt & Mrs Albert C Lawson, daughter, Patricia.
LAYTON—Ft Meade, Md 3 Jul Capt & Mrs Benjamin T Layton, daughter.
LEBLANC—William Beaumont GH, El Paso, Tex 18 Jun 2d Lt & Mrs James D LeBlanc, daughter.
LENNON—Aberdeen Pr Gr, Md 19 Jun Maj & Mrs Eugene F Lennon, son, Thomas Henry.
LOCKHART—La Chapelle, St Mesmin, France 27 Jun Sp5 & Mrs William F Lockhart, son, William F, Jr.
LUGER—Ft Eustis, Va recently 2d Lt & Mrs Carl J Luger, daughter.
MAISH—DeWitt AH, Ft Belvoir, Va 4 Jul Maj & Mrs Alexander M Maish, daughter.
MALHAN—La Chapelle, St Mesmin, France 23 Jun Sp5 & Mrs Robert H Malhan, twin sons, Lyle & James.
MAXHAM—Ft McClellan, Ala 2 Jul Capt & Mrs Robert L Maxham, daughter, Lauren Suzanne.
McKEON—Mary Immaculate Hosp, Jamaica, NY 28 Jun Mr & Mrs Thomas M McKeon, daughter, Ann Elizabeth, granddaughter of Mr & Mrs Thomas E McCarthy, South Bend, Ind, & of Col (USA-Ret) & Mrs Francis H A McKeon, 1442 Fairview Ave, Orlando, Fla.
McROBERTS—Neubucke, Germany 18 Jun Capt & Mrs Terry McRoberts, son, Eric.
MESSENGER—Wright-Patterson AFB, O 16 Jun 1st Lt & Mrs William W Messenger, son.
MILLER—Wright-Patterson AFB, O 24 Jun 2d Lt & Mrs Edward G Miller, son.
MOCK—Ft McClellan, Ala 29 Jun 1st Lt & Mrs James F Mock, daughter, Sherre Ann.
MOFFITT—Neubucke, Germany 17 Jun Sp4 & Mrs Neal O Moffitt, son, Robert.
MONTGOMERY—Keesler AFB, Tex 30 Jun CWO & Mrs Glen D Montgomery, son, Stephen Carl.
MOOREFIELD—Brooke GH, Ft Sam Houston, Tex 5 Jul Col & Mrs Jesse P Moorefield, son.
MORRISON—Neubucke, Germany 13 Jun Sfc & Mrs Wilbur J Morrison, son, Wayne D.
MUNCIE—Neubucke, Germany 23 Jun Sfc & Mrs Jackie B Muncie, son, David.
NAVARRO—Wright-Patterson AFB, O 18 Jun Capt & Mrs Herbert Navarro, daughter.
NELSON—Ft McClellan, Ala 28 Jun 1st Lt & Mrs David A Nelson, daughter, Susan Hamlin.
NEWMAN—Aberdeen Pr Gr, Md 3 Jul 2d Lt & Mrs Perry A Newman, twin sons, Kent Eugene and Kirk Edward.
NOLIN—Berlin, Germany 21 Jun Sp4 & Mrs Thomas F Nolin, daughter, Vivian.
PARKER—Ft Eustis, Va recently Capt & Mrs Warren A Parker, son.

PATTON—Aberdeen Pr Gr, Md 29 Jun 2d Lt & Mrs William B Patton, son, William Blanton, 3d.
PERRY—La Chapelle, St Mesmin, France 24 Jun 2d Lt & Mrs John S Perry, son, John S, Jr.
PERSUTTI—Berlin, Germany 1 Jun Sp4 & Mrs Robert J Persutti, daughter, Diane.
PHILLIPS—Wright-Patterson AFB, O 30 Jun Capt & Mrs Orlan T Phillips, daughter.
PISZ—Neubucke, Germany 18 Jun M/Sgt & Mrs Joseph L Pisz, son, Michael.
POPPE—Neubucke, Germany 13 Jun Sgt & Mrs Reinhold H Poppe, daughter, Hedy.
POTEETE—Wright-Patterson AFB, O 15 Jun 1st Lt & Mrs John D Poteete, daughter.
POWELL—Wright-Patterson AFB, O 23 Jun 1st Lt & Mrs Alcide L Powell, daughter.
POWERS—Brooke GH, Ft Sam Houston, Tex 5 Jul 1st Lt & Mrs Joseph A Powers, Jr, son.
RAY—Berlin, Germany 24 Jun Sp5 & Mrs Thomas J Ray, son, Robert.
ROBINSON—Newport, RI 6 Jul Lt (Jg) & Mrs Kenneth F Robinson, 118 Ruggles Ave, Newport, son.
ROSA—Neubucke, Germany 17 Jun Sgt & Mrs Felipe Rosa, daughter, Kathleen.
SCHENK—Berlin, Germany 11 Jun Sp4 & Mrs Weyland B Schenk, daughter, Angela.
SCHILLACE—Berlin, Germany 30 Jun Sp4 & Mrs Joseph L Schillace, son, Michael.
SCHLANSKER—Fitzsimons GH, Denver 6 Jul Maj (USAF) & Mrs Forrest Schlansker, daughter.
SCHUCK—Keesler AFB, Tex 30 Jun Capt & Mrs Earl J Schuck, twin sons, Dale Gregory & Gale Anthony.
SMITH—Neubucke, Germany 18 Jun Capt & Mrs Michael A Smith, son, Michael.
SMITH—Ft Eustis, Va recently Capt & Mrs Duane H Smith, daughter.
SMITH—Berlin, Germany 1 Jun Sgt & Mrs Bobby P Smith, son, Robert.
SMITH—Neubucke, Germany 10 Jun Sfc & Mrs Louis C Smith, daughter, Patricia.
SNODGRASS—Berlin, Germany 25 Jun Maj & Mrs John W Snodgrass, Jr, son, Eric.
SPENCE—Neubucke, Germany 11 Jun Sp4 & Mrs Jerry L Spence, son, Lance.
STANTON—Wright-Patterson AFB, O 15 Jun 1st Lt & Mrs Joseph S Stanton, son.
STEVENS—Walton AH, Ft Dix, NJ 28 Jun 2d Lt & Mrs Ronald W Stevens, son, Bradley Wayne.
STEWART—Ft McClellan, Ala 1 Jul Maj & Mrs James O Stewart, son, James Ollie.
STEWART—Neubucke, Germany 14 Jun Sp4 & Mrs William P Stewart, son, Blake Kelly.
STONE—Gorgas AH, CZ 1 Jul S/Sgt & Mrs John Stone, son.
STOY—Berlin, Germany 30 Jun Sp4 & Mrs Joseph B Stoy, son, Jim.
TAYLOR—Neubucke, Germany 14 Jun Sgt & Mrs James F Taylor, son, Manfred.
TAZIRI—La Chapelle, St Mesmin, France 23 Jun Sgt & Mrs George S Taziri, son, Allan.
THOMAS—Berlin, Germany 28 Jun S/Sgt & Mrs Orville H Thomas, daughter, Melodie.
TORSANI—Ft Eustis, Va recently Capt & Mrs Joseph Torsani, son.
VEILLEUX—Neubucke, Germany 16 Jun Sp4 & Mrs Gerald D Veilleux, son, Keith.
WASHINGTON—Berlin, Germany 2 Jun Sgt & Mrs Franklin D Washington, son, Franklin D, Jr.
WHISLER—Wright-Patterson AFB, O 28 Jun 1st Lt & Mrs Donald R Whisler, son.
WILLIAMS—Newport, RI 3 Jul Ens & Mrs John H Williams, 37 Almy St, Newport, son.
WILLIAMS—DeWitt AH, Ft Belvoir, Va 6 Jul 2d Lt & Mrs Carey A Williams, daughter.
ZEPPENFELD—DeWitt AH, Ft Belvoir, Va 7 Jul Maj & Mrs Bernard M Zeppenfeld, daughter.

Married

BINKLEY-EVERETT—Santa Rosa, Calif 11 June Miss Margaret Ann Everett, daughter of Lt Col (USAR-Ret) & Mrs Myron A Everett, 1232 Edwards Ave, Santa Rosa, and Mr Theodore Francis Binkley, son of Mr & Mrs Francis A Binkley, Santa Rosa.
CHAPMAN-SAUNDERS—Christ Protestant Episcopal Church, Westerly, RI 9 Jul Miss Margaret Davis Saunders, daughter of Mr & Mrs Stanton Charles Saunders, and Ens Courtland Robert Chapman, Jr, USNR, son of Mr & Mrs Chapman.
HEDGES-SEYBOLT—Park Congregational Church, Norwich, Conn 9 Jul Miss Margaret Arnold Seybolt, daughter of Mr & Mrs Lewis Arnold Seybolt, Norwich, and Ens Elihu Barry Hedges, USNR, son of Mr & Mrs Elihu Hedges, Rochester, NY.
LANGROCK-MURPHY—St Andrew's Protestant Episcopal Church, La Mesa, Calif 4 Jul Miss Joann Murphy, daughter of RADM & Mrs John William S Murphy, Jr, El Cajon, Calif, & Mr Peter Langrock, son of Mr & Mrs Frank Langrock, Queens, NY.
WILDING-WELCH—The Chapel-by-the-Sea, USNH, Newport, RI 9 Jul Miss Eloise Lucy Welch, daughter of Capt (USN-Ret) & Mrs Leo Francis Welch, and Mr Joseph William Wilding, son of Mr & Mrs Anthony Warwick Wilding, Bethesda, Md.

WILLIAMS-WILLIAMS—Church of God, Distant, Pa 10 Jul Miss Judy Lee Williams, daughter of Mr & Mrs Elmer Williams, Widnoon, Pa, and Mr Donald Scott Williams, Jr, son of Mrs Williams, sr, 119 Washington St, New Bethlehem, Pa, & the late Colonel Williams, USAF-Ret.

Died

GRAVE—Died recently at his home at West Palm Beach, Fla Col Henry H Grave, Cav, USA-Ret, 96. Survived by his widow, Mrs Helen Grave, W Palm Beach, Burial Arlington National Cemetery, Washington, DC.
GRIMES—Died Abington, Pa 9 Jul Capt Clifton G Grimes, USN-Ret, (USNA '25), 57, Vice President in charge of Research, Electric Storage Battery Co, Philadelphia, Survived by his widow, Mrs Frances Grimes, Jenkintown, Pa; two daughters, Mrs Frank Delzingaro, Jenkintown, & Mrs Bruce F Henderson, Sao Paulo, Brazil, and three grandchildren.
HOFFMAN—Died Westminster, Md 7 Jul Miss Esther Lea Hoffman, 62, veteran of 41 years' service with the MI Sec, Dept of the Army, and known generally as "Miss Tillie." She also was interned in Hong Kong by the Japanese for three years during WWII. Survived by four sisters, Miss Thelma Hoffman, Mrs Margaret H Richardson, both of Westminster; Lillian W Hoffman, Baltimore, & Mrs Doris H Lake, Princeton, NJ.
HULTMAN—Died 4 Jul Lt (Jg) Thomas D Hultman, USN.
JOHNSON—Died 6 Jul Lt (Jg) Donald N Johnson, USN.
JOHNSON—Died Biltmore, NC 7 July Col William Albert Johnson, CE, USA-Ret, (USMA '06). Survived by his widow, Mrs Josephine Johnson, 2 East Forest Rd, Biltmore, Asheville; and one son, Col W A Johnson, Jr, USA-Ret, (USMA '38), Greenwich, Conn. Burial West Point, NY 12 Jul.
JOYNSON—Died 6 Jul Lt (Jg) Jack E Joynson, USN.
KLUSS—Died Brooke GH, Ft Sam Houston, Tex 6 Jul Col Walter L Kluss, USA-Ret, 71. Survived by his widow, Mrs Mozelle K Kluss, 551 Country Ln, San Antonio, Tex. Services held 8 Jul at Ft Sam Houston Chapel.
LOUTHER—Died USNH, Cp Pendleton, Calif 4 Jul Mrs Helen D Louthier, 59, wife of Brig Gen Karl K Louthier, USMC-Ret, 1705 Alvarado, Fallbrook, Calif. Survived also by one daughter, Mrs R S Goodwin, East Hartford, Conn; one son, Karl K Louthier, Jr, Charlottesville, Va; her mother, Mrs Nina J Parker, and two grandchildren.
MARCH—Killed Washington, DC 10 Jul, in an accidental shooting, Anthony W March, 16-year-old son of the Editor of ARMY TIMES, Mr & Mrs Anthony W March, 9006 Burdett Rd, Bethesda, Md. Also survived by one brother, Steven March.
MULLIGAN—Died Madigan GH, Tacoma, Wash 1 Jul Mrs Marjorie Ann Mulligan, wife of Cdr Charles E Mulligan, USN, for-

Army Officers Killed

In Canal Zone, One Missing

Five Army officers were killed and one is missing in the crash of an L-20 aircraft at the Gamboa Docking Area, Panama, 11 July, all of the 2d Battle Group of the 10th Infantry Regiment stationed at Ft. William D. Davis, C. Z. Those killed were: Lt. Col. Harry C. Barnes, Warm Springs, Ga.; Maj. Sidney L. Davis, 6007 Lake St., Houston, Tex.; Maj. Frank J. Gabrheil, 3855 E. Barnard Ave., Cudahy, Wis.; Maj. Cleston W. Gilpatrick, RFD 4, Concord, N. H.; Capt. Manuel V. Brasil, 265 Williams St., Providence, R. I. The missing officer is Capt. Artillo J. Tamborini, 1158 Main St., Willimantic, Conn.

Missing In Andes Crash

Wreckage of an Air Force C-47 had been spotted on a South American mountain peak, when THE JOURNAL went to press, with no indication of survivors. Listed as missing are: the pilot, Lt. Col. James E. Sever, 39, Air Attache to the US Embassies of Ecuador and Colombia; his wife, Mrs. Dorothea M. Sever; their 10-year-old daughter, Julianne; the co-pilot, Maj. Wiley C. Stone, Wylie, Tex.; M/Sgt. C. E. Horning, Ottawa, O., radio operator, and crew chief, M/Sgt. Samuel Nittle, Bangor, Pa.

Also listed as missing were: Lt. Col. Wesley T. Laney, 43, his wife, Mrs. Mary Laney, 42, and their daughter, Mary, 19, all of Daytona Beach, Fla.; CWO William B. Lynch & his wife, Mrs. Marina Lynch, Milford, Del., and John C. Griner, son of M/Sgt. Zane Griner, Greentown, Ind.

Ecuador's Vice Consul, his wife and their three children and the Ecuador Minister Counselor in Bogota were also aboard.

Librascope Forms New Military Unit

Librascope Division of General Precision, Inc., has announced the formation of a Los Angeles District Military Sales Office, according to R. R. Williamson, Director of Military Sales. The new facility has been established in the Airport Arcade Building, 8820 South Sepulveda, near Los Angeles International Airport.

Heading the new activity is F. C. Milner, a member of the Military Sales staff since 1955. The new office replaces the former Glendale Military Relations office and will have considerably broader responsibilities and authority. Mr. Milner will head a staff including E. A. Forgy, Lloyd Ward and Herbert Holley.

M/G Boyd Names Three Planners For Westinghouse

Three key appointments in the Westinghouse Electric Corporation's Military Advanced Systems Planning Group are announced by Maj. Gen. Albert Boyd, USAF-Ret., Vice President of the company's defense activities.

The Westinghouse planning group is located at 1000 Connecticut Avenue, N. W., Washington, D. C., having been transferred from its former location at Drexel Hill, Pa. WASP is assigned the responsibility within Westinghouse for conceiving and planning new concepts for future weapon and space systems.

Joining the WASP staff are: Dr. Frank Genevese, Dr. Vincent J. Berinati, and Dr. John M. Walker.

Dr. Genevese's fields of specialization include nuclear physics, atomic weapons phenomenology and effects, aerophysics, and operations research studies on present and future weapon systems. He has been associated with the Armour Research Foundation on weapon and missile evaluation; the Institute for Defense Analyses, Pentagon; the USAF Directorate of Intelligence, U. S. Air Force Headquarters, and the U. S. Army as Director, New Development Section.

Dr. Berinati comes to Westinghouse from the Advanced Research Projects Agency (ARPA) where he was Assistant Chief of Space Technology. He also was associated with the Navy's Bureau of Aeronautics Research Division as Chief, Aircraft Design.

Dr. Walker has been associated with the Bell Laboratories, and most recently was project engineer on the Navy's "Eagle" weapon system radar program at the Westinghouse Air Arm Division.

TULLAHOMA MAN IS NATO ADVISOR

Dr. Bernhard H. Goethert, Director of Engineering for ARO, Inc., contract operator for the Air Force's Arnold Engineering Development Center at Tullahoma, Tenn., has been appointed a member of a special scientific panel in the NATO Advisory Group for Aeronautical Research and Development (AGARD).

The three-year appointment to the Fluid Dynamics Panel was made by Dr. Hugh L. Dryden, Deputy Administrator of NASA, with the concurrence of Dr. Theodore von Karman and Lt. Gen. Donald L. Putt, USAF-Ret., the other U. S. National Delegates to the Advisory Group, and of Courtney D. Perkins, Assistant Secretary of the Air Force for Research and Development.

Bosch Arma Gets ASW Award

A Navy research and development contract of approximately \$15 million for compact anti-submarine missile systems has been awarded to Arma Division of American Bosch Arma Corporation.

Charles W. Perelle, President, said the Arma Division system will utilize the Norwegian-designed Terne anti-submarine missile.

MISTRAM AWARD

The Air Force has awarded a \$15.5 million contract to the General Electric Company for a precision trajectory measurement system for the Atlantic Missile Range.

Maj. Gen. Leighton I. Davis, Commander of the Air Force Missile Test Center at Patrick AFB, Fla., said the missile trajectory measurement system, known as Mistram, will be used to determine accuracy and guidance performance of missiles firing down the Atlantic Missile Range. General Electric will analyze, design, develop, produce, install and check-out the new system.

The project will continue through 1962.

ITT Receives Army-AF Tasks

Contracts totaling more than \$4.5 million have been received by International Telephone and Telegraph Corporation's Federal Division in Clifton, N. J., representing orders from the Army, Air Force and the Federal Aviation Agency.

From the Army's New York Ordnance district, ITT Federal received a \$2 million order for 15-D-2 Nike missile trainers.

The Air Force agreement, valued at \$1.7 million, specified new mobile ground beacon equipment for the TACAN air navigation system. Rome Air Materiel area at Griffiss AFB, N. Y., awarded the contract.

The \$1 million FAA placement calls for Vortac air navigation ground and airborne equipment. A sister system to the military TACAN, Vortac is being implemented throughout the U. S. to provide a common guidance network for both commercial and military aircraft.

D.O.A. Changes Rules

The Disabled Officers Association has liberalized its membership eligibility requirements.

For more than 40 years, membership was restricted to Reserve officers who incurred line-of-duty disability in time of war or National emergency. Now, all officers Regular and Reserve who have been retired for disability, are eligible to membership.

Capt. Paul F. Shaughnessy has been re-elected National Commander. Those newly elected Vice-Commanders are Lt. Col. Horace W. Port of Seattle, and Major Joseph A. Carr, Jr. of Philadelphia. Lt. G. D. Tilghman was reappointed National Adjutant.

National Headquarters are 1612 K St., N. W., Washington, D. C.

merly with the Staff, Commander, Fleet Air Hawaii, and now en route to ICAF, Ft. McNair, Washington, DC. Also survived by five children, Patrick, Daniel, Michael, Matthew & Sean Mulligan.

SPOERRY—Died Colorado Springs, Colo. 4 Jul Lt Col Gottfried W Spoerry, USA-Ret, 75. Survived by his widow, Mrs Bess T Spoerry, Edmond Meany Hotel, Seattle, Wash; three children, Mr Jack Spoerry, Riverside, Calif; Mrs C L Heitman, Jr, wife of Colonel Heitman, Dep Post Comdr, Ft Carson, Colo, & Mr Philip S Spoerry, Seattle, and 11 grandchildren & one great-grandchild.

THOMPSON—Died Palo Alto, Calif 6 Jul Brig Gen Orien N Thompson, USA-Ret, of a heart attack. Survived by his widow, Mrs Charlotte Thompson, Apt 404, 360 Forest Ave, Palo Alto; one son, Maj Alfred G Thompson, USAF, now doing post graduate work at the University of Michigan; one daughter, Mrs Margaret Patch, Palo Alto, and nine grandchildren.

WATERBURY—In reporting the death of Brig Gen Frederick M Waterbury, NG-Ret, in THE JOURNAL of 18 June, due to misinformation, the name of his daughter, Miss Mary B Waterbury, PO Box 22, New York 10, NY, was omitted as surviving.

WINK—Died Valley Forge GH, Phoenixville, Pa 22 Jun Mrs Mary C Wink, mother of Maj Alice R Wink, ANC of Valley Forge GH. Also survived by two sons, Alexander, Trenton, NJ, & Andrew Wink, Southington, Conn, and four grandchildren.

Republic Works On AF Reentry

The Air Force has awarded a \$237,401 follow-on contract for prototype hardware of a hydraulic control system capable of withstanding re-entry temperatures encountered by 4,500-mile-an-hour aircraft to Republic Aviation Corporation, Farmingdale, Long Island, N. Y.

The contract, third received from the Wright Air Development Division for this specialized high-temperature hydraulic research, calls for the production of an aileron power control system capable of operating at temperatures ranging from 20 to 1000 degrees F. The system is also to be designed to withstand any radiation effects, without weight and space consuming shielding, stemming either from a nuclear-power plant or outer atmospheric radiation.

Dr. William J. O'Donnell, Chief of Allied Research and Development at Republic said the fabrication of a working 1000-degree system "was the fundamental springboard for manned flight at hypersonic speeds." He explained that aircraft flying at speeds up to Mach 7 (or some 4,500 miles an hour) will be heated by air friction to temperatures as high as 1,000 degrees. Servo units to operate control surfaces of such vehicles will have to withstand these heat problems.

Republic had been working on this problem under Air Force contract since 1957. The first phase of research resulted in the discovery of a fluid, which is the means of transmitting power, capable of operating at more than 1,000 degrees F. Phase 2 developed the control system components to be used with this fluid, the third phase will call for production and test of a working system.

Bell Develops Re-Starting Rocket Engine In ARDC Task Under Lockheed Award

BELL Aerospace Corporation has developed a rocket engine that can be turned off and on at will to control the position and direction of space craft.

Under contract to Lockheed's Missile and Space Division, Bell engineers have repeatedly started, shut-down, and re-started a liquid fueled engine under simulated conditions approaching a total vacuum.

Designed the Bell 8081 engine, it is an advanced version of the model used in the current Discoverer satellite vehicles.

Tests conducted at the Arnold Engineering Development Center, Tullahoma, Tenn., an Air Research and Development Command research and testing installation, have shown it is possible to restart an engine far out in space.

Another type of restartable engine, the Aerojet General AJ10-104 "Able-Star," has also been tested at AEDC. It has been used successfully with the Transit IA, IIB, and Tiros satellite vehicles.

Simulated conditions ranged from sea level to very high altitudes and temperatures from 30 degrees to 100 degrees F. Additional tests were conducted at very low temperatures.

Re-start capability would make it possible for a satellite in orbit to re-use its final stage engine for return to earth or change its orbit and the engine re-started for controlled landings. The need for re-start capability has come about through the multi-staging of missiles and the resultant penalty in increased weight, extremely complex controls and requirements for over-all reliability.

A single re-startable engine would eliminate these requirements and permit greater payloads with considerable increased reliability.

BAFFLER FOR B-52

Special high-powered tubes to baffle enemy radars will be produced by Raytheon Company's Microwave and Power Tube Division under a \$1.2 million contract.

For use in Air Force B-52 bomber countermeasures equipment, the tubes will be produced under sub-contract to The Hallcrafters Company, Chicago, prime contractor for the B-52 countermeasures system.

Called backward wave oscillators, the Raytheon tubes "jam" enemy detection efforts by generating "noise" on the same operating frequencies as radars attempting to track the huge bombers. Should the enemy switch frequencies in an attempt to avoid the noise, the devices automatically switch.

NASA Issues Order For Ryan Vertiplane

The National Aeronautics and Space Administration has ordered the rebuilding of the Ryan Vertiplane and work is under way in the company's San Diego plant.

The V/STOL research plane had completed a successful program of test flights by W. L. Everett, Ryan Engineering Test Pilot, and has been turned over to NASA for its own testing when it was destroyed on a flight out of Moffett Field, Calif., Naval Air Station last February. The NASA pilot bailed out and escaped serious injury.

Previous success of the testing program led to NASA's decision to rebuild the Vertiplane for continuation of its own tests. Twenty-one flights had been made in the Ryan testing phase at Moffett. Among outstanding accomplishments were hovering flight at zero air speed, near-vertical take-offs after ground roll of only 30 feet, and conversions from hovering to forward flight.

The Vertiplane was developed originally for the Army under cognizance of the Office of Naval Research to investigate performance of a conventional type aircraft that can rise and descend vertically while in a horizontal attitude. This is performed by using large flaps to deflect the propellers' slipstream, a method that has enabled the plane to hover at widely varying altitudes.

Ryan is rebuilding all major sub-assemblies in its engineering shop, and final assembly work will be performed by NASA personnel at the Ames Laboratory Division, Moffett Field, where the flight test program will be resumed.

Manual For H-23D

Hiller Aircraft Corp., Palo Alto, Calif., has been awarded a \$359,160 contract for the preparation of a five part Army technical manual for use with the H-23D "Raven" helicopter, Brig. Gen. William B. Bunker, commander of the Army Transportation Materiel Command, announces.

Photolithographic negatives for printing the new manual will be delivered to the Army by September 1961. The H-23D manual is the last to be contracted for under a new Army concept of condensing the many publications covering an aircraft into one five part manual. Similar manuals are undergoing preparation for all other types of Army aircraft.

Richard Kopke Named

Appointment of Richard C. Kopke to the staff of the General Motors Washington, D. C., Office effective 1 August is announced by Anthony G. De Lorenzo, GM Vice President for Public Relations.

Mr. Kopke has been in charge of GM Management Clubs with headquarters in Detroit. Before joining GM in June 1955 he was financial editor of the Buffalo (N. Y.) Courier-Express. During WW II he served in Army and Army Air Forces.

Col. O'Keefe Is Honored By Engineering Fraternity

Col. Keith T. O'Keefe, Chief of the Army Overseas Supply Agency, New York, has been elected to honorary membership in Pi Tau Sigma, the national honorary mechanical engineering fraternity at his alma mater, Polytechnic Institute of Brooklyn.

A registered engineer in the State of New York, Colonel O'Keefe is the only Army officer to be elected to honorary status in the organization while on active duty.

Prior to assignment in Brooklyn, Colonel O'Keefe was the Commander of Redstone Arsenal, Ala., and the Commanding Officer of Lordstown Ordnance Depot at Warren, Ohio.

Colonel O'Keefe resides at Quarters 87-F, Fort Hamilton, Brooklyn, with his wife, the former Marguerite Hall of London, England and four children, John, Donna, Susan and Patricia. John has completed three years with the 101st Airborne Division, and is a sophomore in Aeronautical Engineering at the University of Michigan.

Back From O'Seas

Lt. Col. Veto Blekaltis, USA, has returned after a year's tour with the Army Element of the U. S. Military Training Mission to Saudi Arabia. He has been assigned to the G3 office of Sixth Army, Presidio of San Francisco, Calif.

Col. Harry W. Bues, jr., has been named Adjutant General, XIV Army Corps, Minneapolis, after duty with the Seventh Army in Germany. Colonel Bues and his wife Kathryn, have two sons: Harry III, 22, and Robert, 16.

Col. Briel S. Crandall of Madison, Minn., has assumed duties as Army Infantry Center Engineer at Ft. Benning, Ga. He succeeds Col. Edgar L. Grider assigned to the Presidio of San Francisco. Colonel Crandall came to The Infantry Center from Korea.

L/C Holmes Gets Group

Lt. Col. Robert M. Holmes has assumed command of the 29th Artillery Group (Air Defense) at Travis AFB, Calif., with the departure of Col. Malcolm F. Gilchrist jr.

Colonel Holmes, USMA '43, had attended the Command and General Staff College at Ft. Leavenworth, Kan.

Colonel Gilchrist will be assigned to 6th Region Army Air Defense Command, at Fort Baker, Calif.

Matador Man Retires

Capt. Eugene W. Siegel Maintenance Training Officer of the Air Force's Tactical Missile School at Orlando AFB, Fla., has retired. He was Guidance and Controls Officer during the Research and Development phase of the TM-61 Martin Matador, the Air Force's first operational missile.

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Hycon Gets Navy Missile Contract

The Navy has awarded a \$6 million contract to Hycon Manufacturing Company of Pasadena, Calif., for continued production of automatic checkout equipment for Terrier and Tartar surface-to-air missiles.

The equipment is designed to perform a complete missile checkout in three minutes, giving the operator a green light when all components in the missile are functioning properly—or flashing a red light for a faulty missile. In the latter case, the gear also indicates which system in the missile is malfunctioning.

By the interchanging of a few plug-in components, the same basic test set can check out six different missiles in the Terrier-Tartar family.

The equipment was designed and developed under the direction of the Navy's Bureau of Weapons and the Applied Physics Laboratory of Johns Hopkins University.

Col. Bullock Joins Cook

Cook Electric Company of Chicago has appointed Col. E. T. Bullock, USA-Ret., as Director of Planning for the new TransDigital Systems Division at Franklin Park, Ill.

Col. Bullock, formerly Deputy Commander of the Army Electronics Proving Ground at Ft. Huachuca, Ariz., in the 1954-56 series of tests for the Atomic Energy Commission was Deputy CofS for Joint Task Force 7.

M/G Matthews Has New Aide

Capt. Raymond A. Marks has been assigned as Aide de Camp to Maj. Gen. Willis S. Matthews, Deputy First Army Commander for Reserve Forces at Governors Island, N. Y. The Captain was previously stationed at Ft. Devens, Mass.

Captain and Mrs. Marks live at Governors Island, N. Y., with their two daughters, Ellen Boots Marks, 9; and Elizabeth Ann Marks, 5½.

Belvoir Chemical Officer

Capt. John C. Madden has been appointed Ft. Belvoir, Va. Post Chemical Officer. He and his wife, Lillian, live at 7609 Constantine Road, Springfield, Va.

U. S. COAST GUARD

Commandant—Admiral Alfred C. Richmond
Secretary of the Treasury—Robert B. Anderson

PRESIDENT Eisenhower has appointed the following warrant officers to the permanent grade of W-2, with the date of rank presently assigned for temporary service in that grade.

Collins, Robert J W
Moulton, Joseph S, Jr
Reynolds, Marion K
Boling, Eldred
Slavich, Ludwig, Jr
Kaiser, Carl B
Kemmett, Robert A
Tate, George W
Phelps, Leroy P
Halsey, Orval K
Golaszewski, Z F
Ebert, Donald C
Elchler, W B, Jr
Midgett, Milton M
Teater, Karl G

Sabath, John
Turgeon, Theodore L
Barber, Edward F
Bond, James C
Lang, James G
Shea, Leon D
Benson, Harry A
Patterson, William L
Dowd, Alan N J
Tilden, Lyle G
Dunhour, Joseph W
Grisham, Donald S
Harber, R R, Jr
Davis, Wilbur J
Pall, Louis E K

ASSIGNMENT CHANGES

Lieutenant Commander

Coleman, Edwin W, MARIPOSA (CO) to Base, Sault Ste Marie (CO).
Donnay, William J, CGAS, San Francisco (Difot) to CGAD, Annette (Difot)—CANCELLED.

Dorr, Edgar W, MIO; New Orleans (Duty) to EASTWIND (Duty).

Gracey, James S, HQ (FS) to SPAR (XO) amended to MARIPOSA (CO).

Rush, Benjamin F, ABSECON (Designated XO).

Lieutenant

Granger, James A, LYS, Nilgata (CO) to HQ (PTP) amended to SPAR (XO).

Sprague, Richard L, EASTWIND (Duty) to Reserve Training Facility, Washington, DC (CO).
Verrett, MIT, Cambridge (Duins) to HUMBOLDT (EO).

Lieutenant (jg)

Davis, Donald B, HUMBOLDT (Engr Duty) to UNIMAK (EO).
Grace, Edward V, KLAMATH (Engr Trng to Engr Duty).

Grundman, Frank R, WACHUSETT (Engr Trng to Engr Duty).

Kane, James B, PLANETREE (Duty) to REGEN, Alameda (Duty).

Meredith, Carlton F, NAS, Corpus Christi (Difotins) to CGAS, San Diego (Difot).

Mohlenbrok, Gerald K, McCULLOCH (Engr Trng to Engr Duty).

Riddle, Hill C, BASSWOOD (Duty) to Base, Alameda (Res Trng Prog).

Schiller, Thomas R, KLAMATH (Engr Trng to Engr Duty).

Whitley, Robert E, Jr, NAS, Corpus Christi (Difotins) to CGAS, San Francisco (Difot).

Woodworth, Tommy G, NAS, Corpus Christi (Difotins) to CGAS, St Petersburg (Difot).

Ensign

Crane, Edward J, Jr, CGD1 (Duty) to BLBB (Duty).

W-2

Michael, Carl F, MIO, Norfolk to MIO, Wilmington.

W-1

Smith, James E, ERS, Port Angeles to ERS, Manasquan.

Shuey, Herbert L, CGDS to RADSTA, Cleveland—CANCELLED.

Rodgers, Colt, CGAD, New Orleans to CGAD, New Orleans (Aero Engr).

SKYWARRIOR PILOT LANDS ALONE

THREE crewmen assigned to the Heavy Attack Squadron SIX aboard the carrier Ranger bailed out of their Douglas A3D "Skywarrior" twin-jet bomber 6 July while on a routine patrol flight. The pilot, Lt. Robert E. Fraser, remained with the plane and landed it safely aboard the Ranger a few minutes later. He is believed to be the first pilot to ever land an A3D aboard an aircraft carrier without a crew.

While flying about 10 miles from the carrier, operating in the area between the Philippines and Okinawa, the crews compartment began to fill very rapidly with smoke. When the exact cause of the smoke could not be located, Lieutenant Fraser ordered the crew, Lt(jg) Joseph A. Gauthier, bombardier, Robert T. Fiero, ADC, the gunner-navigator, and George A. Jolly, AN, plane captain, to bail out.

After setting the controls and making his way to the escape chute, Lieutenant Fraser discovered the smoke was clearing out. He returned to the pilot's seat and got the plane under control. In the meantime another A3D joined on his wing and escorted him back to the aircraft carrier. The deck was cleared and he landed without incident.

The three crewmen who bailed out were picked up within minutes.

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INDUSTRY IN DEFENSE

Rocketdyne Engines
Boost Atlas Thrust

The Air Force has announced that the advanced "E" series Atlas ICBM propulsion system will have a 389,000 pound thrust at sea level. It will be lighter in weight and simpler in design than present Atlas engines.

Undergoing final test checks, the present "D" series has a 360,000 pound thrust.

Designated MA-3, the new Atlas power plant is produced by the Rocketdyne Division, North American Aviation Corporation, and has been thoroughly tested at their facilities in the Santa Susanna mountains, north of Los Angeles, Calif.

The more powerful thrust, lighter weight, and simplified design represents some of the major rocket engine advancements developed for the Air Force by the Air Research and Development Command working with civilian contractors, ARDC reported.

L/G Ramey Of Northrop
Explains "Talon" Features

Lt. Gen. Roger M. Ramey, USAF-Ret., Vice President of the Northrop Corporation, Hawthorne, Calif., points out features of the T-38 "Talon" supersonic jet trainer to Maj. Gen. William S. Stone, Superintendent of the U. S. Air Force Academy, during ceremonies in which a one-seventh scale model of the T-38 was presented to the Academy.

First of the sleek, twin-jet T-38's will be delivered to AT Command next month for use in the Air Force pilot training program. The new jet, first USAF supersonic trainer aircraft, in full size has a 25-foot wing-span, is 43 feet long, carries a student and instructor and travels at a top speed of Mach 1.3.

JULIE HELP

The Navy has awarded a contract for approximately \$2 million to Daystrom, Incorporated, for continuing classified research and development work on the Julie System, described as "an important part of the Navy's antisubmarine warfare program."

The Julie System makes use of the explosive echo ranging technique for the detection and location of submarines. This technique is based on the principle that accurate timing between creation of the sound and receipt of its echo permits calculation of the distance between the submarine and the source of the sound.

Daystrom's Electric Division, Poughkeepsie, New York, has been a contractor for the Julie System for the Navy since 1953.

TEMCO Will Build
More Hawk Parts

Temco Aircraft Corporation of Dallas will manufacture aluminum outer shells for the guidance and warhead sections of the Army's Hawk surface-to-air missile under contract from Raytheon Company's Missile Systems Division.

The initial order is valued at more than \$250,000.

Temco manufactures the wings and elevons for the Hawk, under a subcontract from Raytheon and a prime contract with Army Ordnance. The new contract with Raytheon gives Temco additional subcontract responsibilities as a supplier of Hawk components.

The Hawk, an all-weather missile which can seek out and destroy invaders even at tree-top level, is employed by the Army and the Marines as a highly-mobile weapon for use by fast moving assault forces. Hawk will be produced and used in Europe by five NATO nations.

T-I Radar Will
Aid Airport Safety

Increased safety in the terminal areas of major airports will be attained by an advanced new radar developed, manufactured and installed for the Federal Aviation Agency by Texas Instruments Incorporated, Dallas.

A total of 34 airports will get the airport surveillance radars during the next year and a half.

Airport Surveillance Radar will be used by FAA air traffic controllers in directing planes safely through the maze of air traffic around major airports. These radars have a range of 60 miles, reach an altitude of 25,000 feet and will increase FAA capability in handling air traffic, particularly high speed jets.

Autonetics Awards
Missile Task To G-E

The General Electric Company has begun work at Syracuse, N. Y., on a major silicon transistor reliability program in connection with the Air Force Minuteman ICBM.

The project is being conducted under an estimated \$1.4 million contract awarded by Autonetics, a division of North American Aviation, Inc.

In addition to the amount of the contract, it is expected that the production of transistors for the program will cost in excess of \$500,000.

The aim of the contract is to achieve reliability requirements of 99.999% per 1,000 hours of life or no more than one failure out of each 100,000 units produced.

The transistors used in the program are designed to survive severe conditions of shock, vibration, centrifugal force and temperature. They are high performance devices of fixed-bed construction which have been developed for extremely high mechanical reliability.

Chuck Wagner Joins
Lockheed Marietta

Charles S. (Chuck) Wagner has assumed duties as Assistant General Manager of Lockheed's Georgia Division at Marietta, under W. A. Pulver, Vice-President and General Manager. He succeeds H. Fletcher Brown, promoted to Vice-President of Lockheed Aircraft Service, Ontario, Calif.

Mr. Wagner has been Executive Assistant to the Executive Vice-President of Lockheed, Dan Haughton, since May 1959, and was based at corporate headquarters in Burbank.

Mr. Wagner is married to the former Audrey M. Spoelman. Their children are Charles Richard, 21; Michael Gary, 19; Carol Suzanne, 18, and John Francis, 11.

REPUBLIC SAVES \$47 MILLION ON F-105

PLANT-WIDE cost reduction measures at Republic Aviation Corporation, Farmingdale, Long Island, N. Y., have resulted in accumulated savings of some \$47 million in the cost of producing the Air Force's Mach 2 fighter-bomber, the F-105D.

The "on-site" savings, representing almost 32% reduction in costs for fiscal 1960's orders from fiscal 1959's, are part of a nationwide campaign by Republic to trim expenses. Nationally, some 40,000 people employed in 831 firms engaged in producing parts and assemblies for the 1400-mile-an-hour jet are participating in the over-all cost reduction program.

Over 60% of the fly-away cost of the fighter-bomber is represented in the subcontracted effort, and the remaining costs, slightly under 40% are those incurred by the company, on-site, it is explained by Harley S. Jones, Executive Vice President.

"The target for off-site costs is a 30% reduction in fiscal 1961 over 1959's," he said, pointing out that the subcontractor support for the program had achieved an estimated 24.9% reduction to date.

As a result of economies thus far achieved and those projected for fiscal 1960's program the average unit price of the F-105D will be some \$450,000 less in '60's contract than the jets cost each in fiscal 1959's orders, Mr. Jones stated.

Ryan Wins Navy
Radar Contract

The Navy has awarded a \$17.3 million contract to the Ryan Electronics Division, Ryan Aeronautical Company, San Diego, for AN/APN 122 (V) Doppler Radar Navigators.

Deliveries of these airborne electronic systems are scheduled to start next February.

This is a follow on contract to a \$28 million contract received by the company in the fall of 1958.

The AN/APN 122 (V) is in production at Ryan's Torrance, Calif. plant.

MORE FOR MAULER

Convair Division of General Dynamics Corporation has received an additional \$8.1 million Arms contract for continued development of the Mauler battlefield air defense missile system.

Work on this program is being done at Pomona, Calif.

An initial contract of \$5.5 million for Mauler development was awarded to Convair-Pomona on 31 March.

Mauler is a compact, highly-mobile weapon using solid-propellant, radar-guided missiles to destroy enemy short-range tactical planes and missiles.

M/G Wade Reports On Missile Division

From page 2—

ping, scheduled passenger trains and unscheduled freight trains.

Burke-LeMay Accord

Under the guidelines of the Burke-LeMay agreement, the Air Force controls the missile destruct system during ballistic missile combat training launches. This agreement also specifies that the Air Force, as the sponsoring agency for all ballistic missile and satellite launches from the Vandenberg-PMR complex, has full responsibility for the flight preparation of missiles, satellites, space vehicles and launching; and for launching and controlling the flight through impact of the missile or last stage burnout of the satellite.

"Furor Without Panic"

The effectiveness of the teamwork achieved through this complex framework of inter-service, inter-command and contractor relationships can best be gauged by the record of 1st Missile Division's mission progress over its two and one-half years of operation. Moving ahead at a pace that has been described as "furor without panic" it has conducted 30 launches including 4 Atlases, 14 Thors and 12 Discoverers. These have been accomplished without mishap on the pad and only three have had to be destroyed by missile flight safety because of deviation from the prescribed flight path.

Two of Vandenberg's Atlas launch complexes have been brought into operational status and its first Titan site will be operational this year.

In its operational readiness training program for the Atlas squadron at Vandenberg and F. E. Warren AFB, Cheyenne, Wyoming, the 1st Missile Division has graduated more than 325 crew members, 440 maintenance technicians and 55 re-entry vehicle specialists. The ORT program for SAC's other Titan squadrons will begin early in 1961.

RAF On Alert

Vandenberg's operational readiness training program for Thor IRBM crews was completed in January of this year after qualifying more than 1200 members of the Royal Air Force to man the squadrons that are now on alert status in the United Kingdom. Many of the operating concepts and training methods proved out in the Thor program have been effectively applied to the ICBM and satel-

lite aspects of our mission. In addition to the Thor launch crews, we have trained more than 300 authenticating officers and re-entry vehicle technicians for duty with the United Kingdom's IRBM squadrons.

To prepare key personnel for new supervisory responsibilities in the build-up of missile units, we have put 300 staff officers through an intensive ballistic missile familiarization course.

The practical experience gained in conducting these operational and training exercises has validated in large measure our earlier assumptions concerning the strategic advantages that ballistic missiles would produce. At the same time, we have been able to clear up—in the light of that experience—a few of the misconceptions which had arisen during the speculative phase of missile development.

Expectations Fulfilled

On the positive side, our expectations for reaction time, accuracy and reliability have been more than fulfilled. Atlas launches by SAC crews under operational conditions have impressively demonstrated that weapon's ability to reach heavily defended targets in paving the way for the more flexible employment of manned bombers.

Among the early mistaken outlooks which have been cleared up in the course of Vandenberg's operating experience were the predictions that ballistic missiles would be too complex for military crews to maintain and that the routinized character of duty at missile sites would produce boredom and damage morale. To the contrary, we have found that our aircraft technicians who were proficient in electronics, engine maintenance and hydraulic fields have transitioned quickly and effectively into the missile program.

Aerospace Deterrent

As to job interest, our people are challenged fully by the continuing necessity for refinement of maintenance and operating procedures to make the best use of new and modified hardware. In fact, they regard their missile experience as excellent technical preparation for transitioning into the coming era of manned and maneuverable military space vehicles. Certainly, at this point, they share a justifiably keen sense of pride in expanding the operational ICBM element of SAC's aerospace deterrent force.

M/Gen. Parks Joins Advertising Agency; NY Transit Authority Names Col. Edmunds; B/G Shell Is Ninth V.M.I. Superintendent; Capt. Webb Leaves Aerospace Post

Maj. Gen. Harlan C. Parks, USAF-Ret., former Chief of the Army and Air Force Exchange Service, has joined McCann-Erickson, one of the Nation's leading advertising agencies, as a general corporate executive. According to "Advertising Age," a highly informed publication in the field, General Parks will be in line to succeed Wilbert G. Stilson, Executive Vice President and administrative chief of the company, who is slated to retire at the end of the year.

Col. James B. Edmunds, USA-Ret., has been appointed general manager of the New York City Transit Authority. He enlisted in the Army as a private in 1917 after graduating from Indiana University and he was made a Brigadier General in Germany in 1945. He retired with the permanent rank of Colonel in 1953.

In the intervening years he served or lived in some three dozen countries, studying transportation systems, and devising new ones. He has been decorated by the Brazilian Government for his part in providing that nation with modern motor transportation methods.

Brig. Gen. George R. E. Shell, USMC-Ret., has become the ninth Virginia Military Institute Superintendent in the 121-year history of the famed school at Lexington. He succeeded Maj. Gen. William H. Milton, USA-Ret., who ended an eight-year tenure.

General Shell is the second Marine Corps officer to serve as VMI Superintendent. Maj. Gen. John A. Lejeune, former Marine Corps Commandant, was VMI Superintendent from 1929 to 1937.

Col. Elwood W. Camp, MSC, USA-Ret., has been appointed Assistant Director in charge of educational activities of the American College of Hospital Administrators, 840 North Lake Shore Drive, Chicago, Ill. Colonel Camp had been Chief of the Hospital Methods Improvements Branch of the Medical Plans and Operations Division of the Office of the Surgeon General.

Col. John M. Davis, USMC-Ret., formerly Director, 5th Marine Corps Reserve and Recruitment District, Washington, D. C., has been succeeded by **Col. Robert H. Houser, USMC**. A USNA '30 graduate, Colonel Davis has four children. He plans to reside in Lexington, Ky.

Col. William B. Stelzenmuller, USA-Ret., 45, former Commanding Officer of the 79th Engineer Group (Construction) at Ft. Belvoir, Va., plans to enter the University of Florida this fall and study for a Doctor of Philosophy degree. He earlier earned a master of science degree from the University of California. Lt. Col. Joe McEachern has assumed command of the 79th. He had served as Group Executive Officer.

Lt. Col. Harold D. Higgins, USA-Ret., formerly with the Office of the Director of Experimentation, Army Combat Development Experimentation Center, Ft. Ord, Calif., has retired after completing 20 years service.

Capt. Leland D. Webb, USN-Ret., who has served as Vice President and Western Office Manager for the Aerospace Industries Association in Los Angeles for 13 years, has retired. General Orval R. Cook, USAF-Ret., AIA President, has announced. Captain Webb's successor will be Theodore Grant, who has served with the AIA and a predecessor organization since 1943.

VAdm. Selden B. Spangler, USN-Ret., Director of Research for The Garrett Corporation, has been nominated as a member of the Visiting Committee for the Massachusetts Institute of Technology, only member of the present committee renominated for the 1960-62 term. He will continue to serve in an advisory capacity to the MIT Aeronautics and Astronautics department.

Col. T. J. Ryan, USA-Ret., former Special Projects Officer and Information Officer, Fifth Army, Chicago, and his wife, Alice, will make their future home in San Antonio.

RAAdm. Roger E. Nelson, USN-Ret., former Professor of Mathematics, will become Acting Dean of Dickinson College, Carlisle, Pa., for the 1960-1961 academic term 15 August.

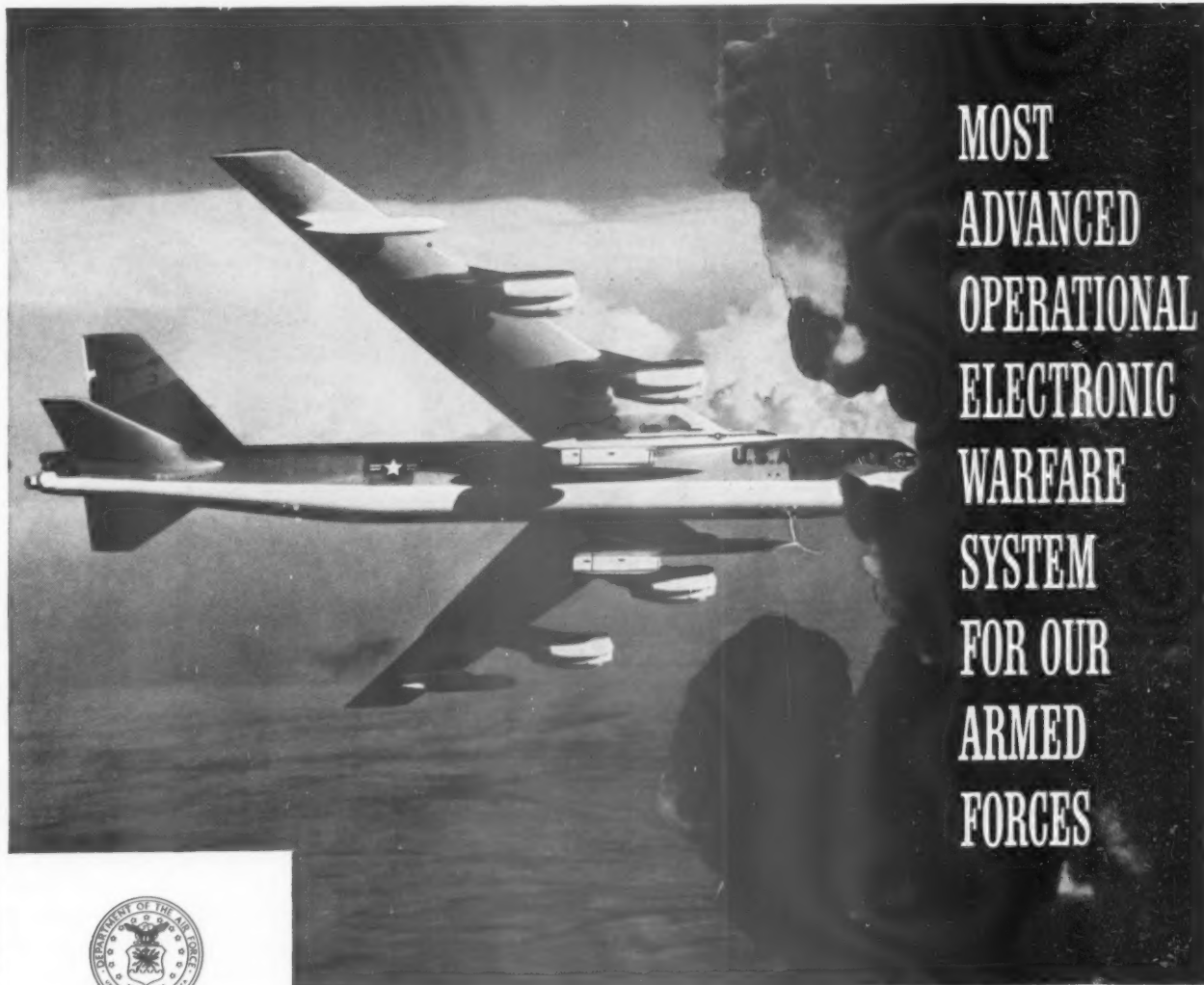
Admiral Nelson, USNA '22, retired in 1949. In the course of his naval career, he taught at Annapolis (1929-1931), the University of California (1934-1936) and at Dartmouth College (1946 to retirement).

At Dartmouth, where he was professor

of naval science and commanding officer of the Naval R.O.T.C. unit, he devised a course in the history of sea power now taught in all colleges providing N.R.O.T.C. training.

Col. Herbert L. Nelson, USA-Ret., a former U. S. Army Special Services Chief and United Nations-Far East Command Adjutant General, has been named Assistant Director and Comptroller of the University of Maryland's Far East Division in Tokyo. He has taught military and political science courses at the University of Maryland Far East Division and Aoyama Gakuin University, Tokyo, for the past year.

Capt. A. B. Jones, USN-Ret., former Ninth Naval District Industrial Manager at Great Lakes, Ill., will be succeeded by Capt. William Bernard, who has been assigned to the Bureau of Ships in Washington, D. C.



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Enlarging Glasgow Air Force Base... CAT DW20Gs strip 2 million cu. yd.

To accommodate SAC B-52 Bombers, the taxiways and aprons at Glasgow Air Force Base, Montana, had to be enlarged. The 8700-ft. existing runway had to be widened and extended to 2½ miles long. Included in this contract were 1 million cu. yd. of select gravel, 500,000 cu. yd. of concrete aggregate and 350,000 cu. yd. of crushed gravel.

Getting at this gravel, lying under 7 to 12 ft. of clay, was a big job. Peter Kiewit Sons' Co. of Omaha, Neb., relied on five Caterpillar DW20Gs with big 482B Scrapers to quickly, efficiently strip the 2 million cu. yd. of overburden.

This powerful earthmover is ideal for this type of work. Its 345 HP turbocharged Cat Diesel Engine provides travel speeds up to 35.8 MPH. With optional SynchroTouch Transmission Control, the operator simply dials the desired gear for automatic, split-second shifting, up or down. It's the new, advanced way to shift gears faster and easier for quicker cycles, more yards per hour.

The big 482B LOWBOWL Scraper carries 24 cu. yd. struck . . . 34 cu. yd. heaped. It's built to handle the toughest loading and hauling conditions.

This fast-moving DW20G-482B combination takes charge of a broad range of applications. Field reports throughout the world confirm its high productive efficiency. In addition, this team gives you all the benefits of job-proved Caterpillar dependability. And your parts logistics are simplified by Caterpillar's world-wide dealer network, with complete parts stocks in every country of the free world.

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